

# COLON CLASSIFICATION

BY

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PART I Rules of Classification

PART II Schedules of Classification

PART III Index to the Schedules

PART IV Examples of Call Numbers



MADRAS

THE MADRAS LIBRARY ASSOCIATION

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To  
MY BELOVED PROFESSOR  
EDWARD B. ROSS



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(SECOND EDITION)

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## PREFACE

BY

### THE MADRAS LIBRARY ASSOCIATION

WITH the object of spreading the essential ideas of Library Movement and of directing thought towards the creation of a library service suited to our country, the Madras Library Association inaugurated its Publication Series in 1929. The first volume, *The library movement* was by Divers Hands. The next six volumes were all by S. R. Ranganathan. As their titles show they dealt with technical and practical aspects of library work: *The five laws of library science*, 1931; *Colon classification*, 1933; *Classified catalogue code*, 1934; *Library administration*, 1935; *Prolegomena to library classification*, 1937; *Theory of library catalogue*, 1938. All these volumes have circulated well both in India and abroad.

As another instalment of this Publication Series the Association now publishes a second (*revised*) edition of the *Colon classification* the manuscript of which Mr. S. R. Ranganathan has been good enough to place at its disposal.

The fourth part of the book, which gives about 3,000 examples of Call Numbers, is a reprint of the Classified Part of the 1938 Supplement of the Catalogue of the Madras University Library. The Association is indebted to the Vice-Chancellor and the Syndicate of the University of Madras for permission to take reprints for issue as part of this publication.

The Association hopes that this volume will circulate as widely as its predecessors and that it will help libraries in India and elsewhere to organise their work in an efficient, scientific and serviceable way.



## INTRODUCTION

### TO THE FIRST EDITION

THE purpose of this book is neither to expound the general philosophy of classification nor to discuss the theories of book classification. Information on the former subject can be had in any good book on logic and on the latter in *The manual of classification* by W. C. Berwick Sayers (and in my *Prolegomena to library classification*). The aim of the book is to give a working manual for classifying books according to the scheme of classification which has been termed the "Colon Classification".

The *Colon classification* differs from Dewey's *Decimal classification* and the volumes of *Congress classification* in some fundamental respects. It is their manifest aim to provide a ready-made Class Number for most topics. Hence, such manuals consist, for the most part, of the Schedules of Classification. And their Schedules are by several times larger than that of the *Colon classification*.

In the *Colon classification*, however, ready-made Class Numbers are not assigned to topics. The Schedule in the *Colon classification* may be said to consist of certain standard unit schedules. The standard unit schedules correspond to the standard pieces in a Meccano apparatus. Even a child knows, that, by combining these standard pieces in different ways, many different objects can be constructed. So also, by combining the classes in the different unit schedules in assigned permutations and combinations, the Class Numbers for all possible topics can be constructed. In this scheme, the function of the Colon (:) is like that of the bolts and nuts in a Meccano set. (*Vide* Fundamental constituent terms *vs.* derived composite terms in the *Prolegomena to library classification*. Pp. 135-139.)

A more detailed account of the part played by the symbol "colon" is given in Section 61 of Chapter 6 of Part I.

Certain other devices enumerated in Chapter 6 of Part I also act as connecting apparatus.

One natural result of this method of giving certain standard schedules, rather than ready-made Class Numbers for topics, is the extraordinary mnemonic quality that the Scheme has acquired. It has been felt in the libraries using this Scheme that, after a little experience, the need for looking into the



## INTRODUCTION

Schedule becomes increasingly small; and this is so even for specialised monographs requiring a long drawn out Class Number.

It has been found necessary to give, in addition to the unit schedules, a set of Rules for constructing the Class Numbers with the aid of the unit schedules. The spirit of standardisation has greatly simplified the Rules themselves. The first six chapters which occupy a third of the First Part bring together many of the general Rules and Devices and discuss them once for all; with the result that the chapters devoted to the classification of specific subjects gain considerably in brevity and clarity.

Another feature of this scheme is the very great minuteness of classification in most of the subjects. Even extremely specialised monographs get individualised in this scheme more easily than in other schemes. It is a matter of experience that such a detailed classification is quite necessary if all the resources of a library on every topic, however great its intension, are to be disclosed with the least expenditure of time.

In addition to the great minuteness of its classes, this scheme is much more hospitable than any other, owing chiefly to the Eight Devices explained in Chapter 6 of Part I. This can be experienced in the schedule of almost every subject.

Further, the notation being completely decimal, its elasticity is quite commensurate with the hospitality of the schedules. The length of notation is proportionate to the intension; thus the Call Number of a common text-book will be very short.

Topics in Indology have been worked out in far greater detail than in other schemes. Books on Indology are numerous not only in Indian libraries but also in many foreign libraries. The Indological schedules will also be of use in classifying Oriental Manuscript Libraries. It is hoped to include in the next edition similar detailed schedules for other oriental subjects as well.

This scheme has been in use in the Madras University Library for nearly ten (now sixteen) years and has behaved admirably, in spite of the large number of specialised books and monographs which the library possesses.

## LENGTH OF NOTATION

An abnormally long class number given in the first edition to illustrate the extreme length to which it can go and lack of opportunity to apply the scheme to a varied collection appear to have misled some to believe that the Colon Notation is long. Pages 83-89 of the *Prolegomena to library classification* contain a systematic statistical analysis of this question. It is proved mathematically that the Colon Notation is distinctly shorter than the Decimal Notation whatever be the measure of length taken.

An important respect in which the Colon Classification differs from other schemes is its ideal to individualise every topic. This ideal it realises with a remarkably short notation.

A random selection of about 250 articles from the *Encyclopaedia Britannica* was used for practical work in classification in the last year's session of the School of Library Science of the University of Madras. The class numbers were worked out (1) to the maximum possible intension by Decimal Classification, (2) to the same degree of intension by Colon Classification and (3) to the maximum possible intension by Colon Classification, which resulted in exact individualisation in most cases.

Then the averages of the length of the notation were calculated. The result was as follows:

### *Average number of digits in class number*

- |   |    |     |
|---|----|-----|
| 1. Decimal (Maximum possible intension)   | .. | 5.8 |
| 2. Colon (Same intension as above)  | .. | 5   |
| 3. Colon (Maximum possible intension, resulting in individualisation of topics) | .. | 6.5 |
| 4. Decimal (Individualisation of topics not possible).                          |    |     |

Should individualisation of topics be aimed at or should it be sacrificed to keep the notation within "economic limits"?

Bliss stands for the latter. Many of his criticisms of the Colon Classification are traceable to that position.

The Colon Classification works for the former, without too much violence to "economic limits", as statistical analysis shows.

Indeed the chief field for future research by classificationists is the invention of more powerful principles by which individualisation of topics can be secured with even a shorter notation.

## INTRODUCTION TO THE SECOND EDITION

This revised edition does not essentially differ from the first. But the following distinctive features may be noted:

(1) In response to the suggestion of Mr. Wm. Stetson Merrill and other friends in various countries that there should be plenty of illustrations, a fourth part has been added. It gives about 3,000 examples of class numbers constructed according to the Colon Scheme. These are in effect chosen at random: they represent books (other than current volumes of periodical publications) added to the Madras University Library in 1938.

This part may be useful to:

(a) Librarians who work in libraries already classified by other schemes and therefore find no opportunity to try the Colon Scheme in practice;

(b) Freshmen who have to learn the subject; and

(c) Libraries anxious to classify their collections but unable to engage full-timed trained librarians or assistants.

The substantive part of the book continues to be practically of the same size as before, although the size of the book as a whole has nearly doubled as a result of the addition of the fourth part.

(2) Since the publication of the first edition the foundations of the theory of classification have been critically explored and reconstructed in the *Prolegomena to library classification*. The whole scheme has now been subjected to the searchlight of its twenty-eight canons and minor maladjustments—mostly relating to the Octave Principle and the Unscheduled Mnemonics—have been set right.

(3) To satisfy the Canon of Currency certain terms have been changed, the major changes being that of 'Philology' to 'Linguistics' and 'Politics' to 'Political Science'. In the light of the same Canon 'Anthropology' has been transferred from the Main Class 'V History' to the Class 'Y1 Sociology'.

(4) The schedules for Common Subdivisions, Sound, Electricity, Technology, Biology, Public Health, Indian Philosophy, Sociology and Law have been revised or recast in the light of the experiments and observations made during the last

## INTRODUCTION TO THE SECOND EDITION

five years. About 800 new divisions have been added to the schedules as a whole.

(5) The schedules illustrating the Classic Device have been enlarged. About 300 new classics have been added.

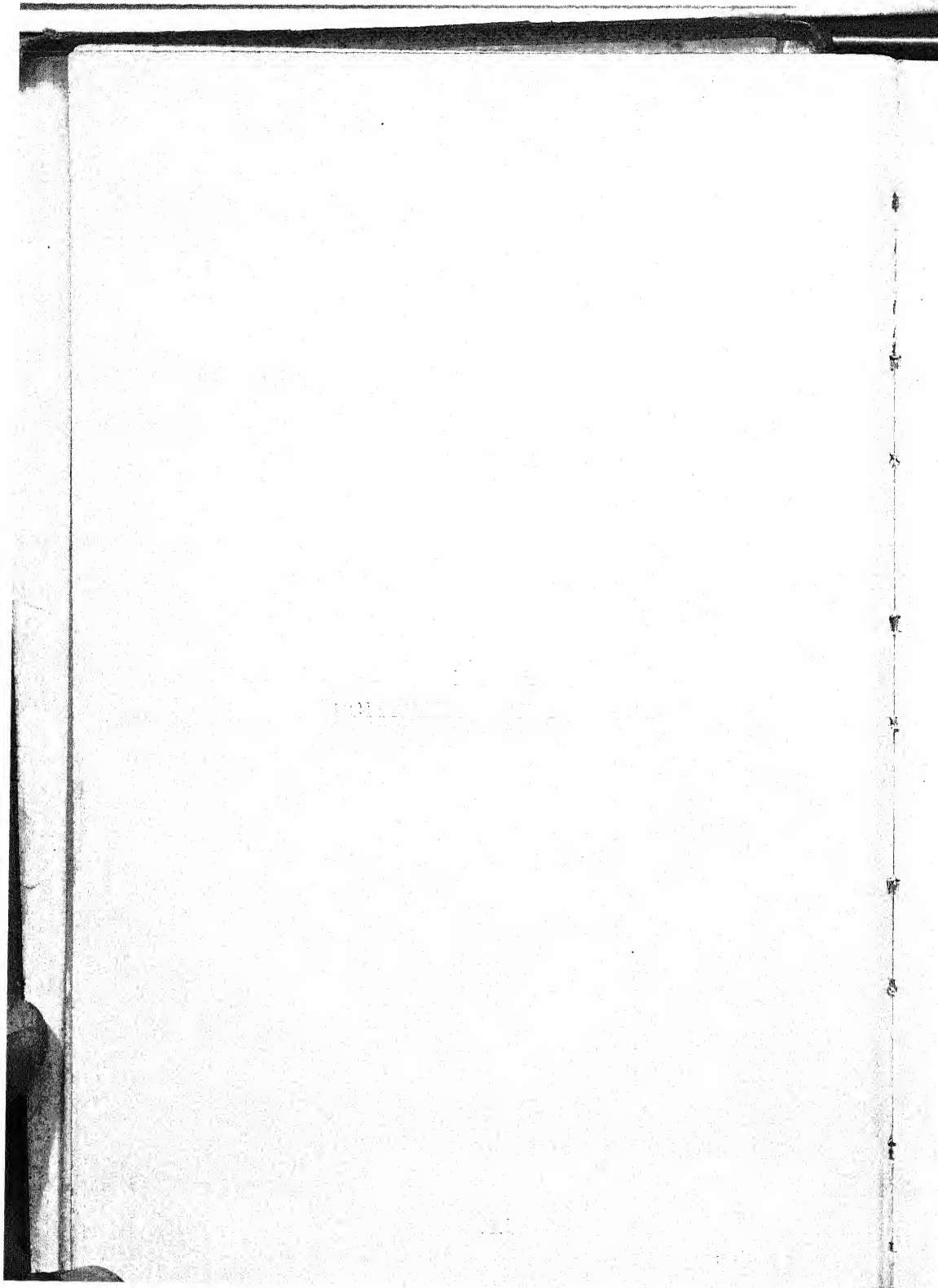
(6) The 'Last Octave Principle', one of great potentiality, has newly been enunciated in Rule 661. The associated 'Penultimate Octave Principle' follows in Rule 662.

(7) The Auto-Bias Device mentioned in the *Prolegomena to library classification* has been enunciated in Rule 683 as a special form of the Bias Number Device.

(8) Schedules have been added for Mechanics, Veterinary Science, Ancient Tamil Poetry, Jainism, Buddhism, Judaism, Christianity, Zoroastrianism and Anthropology.

(9) A new Main Class ' $\Delta$  Spiritual Experience and Mysticism' has been introduced. Its necessity, scope and resource are explained in chapter  $\Delta$ .

PART I  
RULES OF CLASSIFICATION





## 01 CALL NUMBER

01 The CALL NUMBER of a book is the symbol which individualises it. It fixes its position in the shelves relative to the other books. It is also used by readers in calling for books.

It has been shown in my *Five laws of library science* that the proper arrangement of books in a library is the classified arrangement on a subject basis. Any other mode of arrangement such as by authors, or size, has been shown to be either ineffective or inconvenient. It is a matter of experience that the interest of the readers goes by the subject matter of the books rather than by the author (except in Literature) or by any other consideration. Hence, a classified arrangement on a subject basis will facilitate the finding of his book by every reader, will increase the chance of every book getting its reader and will also save the time of the reader.

It is not enough if the subject of a book is indicated in ordinary words. Then the daily arrangement of books will require the services of persons who know the relative order of all the subjects and their detailed subdivisions. It is not only impossible to get the services of such persons but it would also be wasteful. Hence, the subject of the book ought to be translated into suitable numbers whose ordinal arrangement is easy.

In some libraries the Call Number does not actually individualise books. That is to say, it is possible for more than one book to get the same Call Number. It is desirable, however, to remove this ambiguity, i.e., to satisfy the Canon of Individualisation and it is not difficult to do so.

In libraries which do not adopt the 'open access' system, the task of picking out books will become very difficult if their positions are not definitely given. In such cases, the Call Number is used to supply the necessary information.

In some libraries books are placed permanently in particular shelves and their positions are indicated by what are known as Press-marks. In such a rigid arrangement it will not be practicable to bring together all the books on the same subject, if the library is a growing one. Fixing the position of a book relative to the other books rather than in relation to the racks or shelves is the only correct method. Hence, the Call Number has taken the place of the Press-mark.

011 The CALL NUMBER consists of two parts—the CLASS NUMBER and the BOOK NUMBER.

## CALL NUMBER

Chapter 02 of the Rules will deal with the Class Number and Chapter 03 with the Book Number.

012 A double space is ordinarily to separate the Book Number from the Class Number.

*e.g.* B43 F6, C56 113F9

0121 On the back of the book and on the back of the title-page, however, the Book Number is to be written below the Class Number.

*e.g.* B43 C56  
F6 113F9



## 02 CLASS NUMBER

02 A CLASS NUMBER is a symbolic translation of the subject of the book.

021 A CLASS NUMBER is an ordinal number which consists of an intelligible concatenation of one or more of the ten Arabic numerals, the fifty-two letters of the Roman alphabet, capital and small, the symbol  $\Delta$ , a colon and a dash.

For convenience of later reference, we shall refer to each group of these symbols as a *species*. That is to say, the Arabic numerals, the capital letters and the small letters form three different species of symbols and each of the other three symbols belong to different species. It is usual to aim at purity in notation, i.e., to have as few species as possible in the Class Number. (Vide *Prolegomena to library classification*, pp. 73 to 78). In the Dewey Decimal Classification, the numbers consist only of two species—Arabic numerals and a dot. In the Cutter Classification, the numbers consist entirely of capital letters. In the Congress Classification, the numbers consist of capital letters, a dot and Arabic numerals. In the Brussels Scheme, a large number of species of symbols is used. In the Colon Scheme, six species have been used. On account of the important role played by the symbol *Colon* in the notation of this Scheme, the Scheme itself is called the Colon Classification. (Vide Section 61 of Chapter 6.).

When it is said that the Class Number consists of an intelligible concatenation of symbols, it is meant that the concatenation is intelligible in the light of or in accordance with the rules framed for the purpose.

022 Each one of the symbols in a class number is called a digit.

023 The digits are written from left to right.

024 The place value of the digits is as in decimal-fractions.

The advantage of using the decimal-fraction notation is that it gives great elasticity to the notation. In other words, any number of numbers can be conveniently interpolated between two consecutive numbers. For example, if 22 and 23 are read as integers, we cannot interpolate another integer between them. But, if they are read as decimals, 221, 222, ..., 229 lie between them, and hence can be interpolated between them. Again 2211, 22112 ... etc., lie in that interval.

## CLASS NUMBER

In fact, this is a peculiarity of the decimal notation which was first explicitly pointed out by the mathematician Peano and was first used for classification purposes by Melvil Dewey. It can be seen that the addition of a digit on the right does not in any way affect the place value of the already existing digits. But, on the other hand, it would completely change the place value if the numbers are used as integers.

The decimal-fraction notation gives full satisfaction to the Canon of Hospitality in Chain. The hospitality is really infinite. It also secures conformity to the Canon of Relativity.

024 The symbols used in constructing the Class Number shall be taken to fall in the following order if arranged in the ascending order of their absolute magnitude:—*a, b, c, d, e, f, g, h, i, j, k, l, m, n, o, p, q, r, s, t, u, v, w, x, y, z, 0, ;, —, 1, 2, 3, 4, 5, 6, 7, 8, 9, A, B, C, D, E, F, G, H, I, J, K, L, M, Δ, N, O, P, Q, R, S, T, U, V, W, X, Y, Z.*

0241 Any number followed by a small letter shall have precedence over the number itself.

*e.g.* B63*v* has precedence over B63. L23:45*a* has precedence over L23:45.

025 The process of assigning the CLASS NUMBER to a book is really that of finding out successively the digits that make up the CLASS NUMBER.

To put it in other words *Classifying* a book implies (1) the assignment of the book to the appropriate class of the scheme of classification by ascertaining the way in which each of the characteristics appropriate to the class is shared by the book; and (2) giving to the book the Class Number which represents that class.

The later chapters of this part will give the rules relating to the determination of the successive digits.

026 The **ULTIMATE CLASS** of a book is the class of the smallest extension and the greatest intension in which it can be placed.

Taking, for example, Askwith's *Analytical geometry* the Main Class in which it should be placed is *Mathematics*. But, *Mathematics* is too large a class for the book. Hence, we should take the subclass *Geometry* which is more appropriate. *Geometry* again is too extensive and we shall have to subdivide it still further and put the book in *Plane Geometry*. As a matter of fact, even *Plane Geometry* is too big a class for the book. We shall have to subdivide it and actually put the book in the class *Curves of the Second Degree*. Perhaps it may be convenient to subdivide it still further and arrive at the class *Analytical Geometry of the Curves of the Second Degree*. The subject of the book will not admit of going further down the scale of subdivisions. Thus,

## CLASS NUMBER

*Analytical Geometry of the Plane Curves of the Second Degree* is the ultimate class of the book in question.

Similarly, let us consider Florence Emily Hardy's *Life of Thomas Hardy*. To arrive at the ultimate class of the book, we shall have to go down the sequence *Literature, English Literature, Fiction, Hardy, Biography of Hardy*. The classes in this sequence are arranged in descending order of extension and ascending order of intension and the ultimate class of the book is *Biography of Hardy, the English Novelist*.

### 03 BOOK NUMBER

03 The purpose of the BOOK NUMBER is to individualise the books having the same Ultimate Class.

031 The BOOK NUMBER is an ordinal number which consists of an intelligible concatenation of one or more of the ten Arabic numerals, the capital letters of the Roman alphabet, a dot and a dash.

0311 Each one of the symbols in a book number is called a digit.

0312 The digits are written from left to right.

0313 The place value of the digits is as in decimals except in the cases covered by the Rules 035, 036, and 037 of this Chapter.

0314 The symbols used in constructing the BOOK NUMBER shall be taken to fall in the following order if arranged in the ascending order of their absolute magnitude: A, B, C, D, E, F, G, H, I, J, K, L, M, N, N, O, P, Q, R, S, T, U, V, W, X, Y, Z, —, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9.

032 The BOOK NUMBER may consist of one or more of five parts, *viz.*, the Language Number, the Date Number, the Accession Part of the Book Number, the Volume Number and the Supplement Number. These parts are to be written in the order given above without interspace between the parts.

The need for Book Number is discussed in the *Prolegomena to library classification*, pp. 175-181.

In this system, the Book Number is decided ordinarily by the language in which the book is written and its date of publication. In extraordinary cases, certain other factors, corresponding to the last three parts of the Book Number, are used in addition in the construction of the Book Number. (*Vide* Rules 035 and 537 and their sub-Rules.)

In some libraries, the individualisation of books in an ultimate class is done, in a partial manner, by writing the first three letters of the name of the author of the book below the Class Number. It can be easily seen that the names of more than one author may have the same first three letters and hence in this method the books do not get com-

## BOOK NUMBER

pletely individualised. Some libraries try to improve upon it by adopting some additional devices.

But, a more useful characteristic for individualising the book is its date of publication. After all, if we remember that the library is a growing organism, it is more often the date of publication that determines the value of the book than the author except, of course, in literature and in the classics of the other subjects which form independent classes by themselves in this scheme. The majority of readers are interested in the latest books in an ultimate class, while antiquarians may be interested in the oldest books. Hence, the chronological arrangement of books in an ultimate class will not only save the time of many readers but also give them greater satisfaction. Hence, in this system the date of publication forms an essential part of the Book Number.

It is felt further that it may be convenient for most of the readers if the books in an ultimate class written in different languages are separated. Hence, the language of the book also forms an essential part of the Book Number.

### 033 The Language Number

033 The Language Number is got by translating the language in which the book is written into appropriate symbols in accordance with the language schedule, given as Schedule 4 of Part II.

It will be convenient at this stage to introduce two definitions.

0331 The FAVOURED LANGUAGE of a library is the language in which the majority of the books of the library are written.

Normally the language of the country is likely to be the Favoured Language. But under the peculiar conditions of India, and Madras, in particular, the Favoured Language of many of the libraries, at present, is likely to be English.

0332 Each library should have a descending scale of popularity for the languages, the Favoured Language being given the first place. Among a given set of languages the MOST POPULAR LANGUAGE is the language which occurs earliest in the scale of popularity.

It is not easy to give a definite and unique measure for arranging the languages in the order of popularity. But each library may be able to decide from experience some working scale. All that is wanted is that the scale should be a fixed one. For example, in the University Library at Madras, where English is used as the Favoured Language, the scale of languages is as follows:—English, Tamil, Malayalam, Telugu, Kanarese, Sanskrit, Hindi, Urdu, French, German, etc.

## BOOK NUMBER

If a book is written in more than one language, three important cases may arise. Either the book may consist of the same matter in more than one language or it may consist of a classic with commentaries in one or more languages or simply of commentaries of a classic in more than one language. Practically these are the only types of polyglot books that will have to be considered. If any other type occurs, it may be dealt with in an analogous manner.

The three following Rules deal with the three types mentioned above.

0333 In the case of a book consisting of the same matter in more than one language, the Most Popular of the Languages in which the matter occurs is to be used to construct the Language Number.

0334 In the case of a book consisting of a classic with commentaries in one or more languages,

(a) if the classic is of greater importance than the commentaries, the language in which the classic is given is to be used to construct the Language Number; and

(b) if the classic is of less importance than the commentaries, the Most Popular of the Languages in which a commentary occurs is to be used to construct the Language Number.

0335 In the case of a book consisting of two or more commentaries of a classic but not containing the classic itself, the Most Popular of the Languages in which a commentary occurs is to be used to construct the Language Number.

0336. In the case of a book belonging to a Main Class other than 'Literature', if it is in the Favoured Language or if the language to be used to construct the Language Number is the Favoured Language, the Language Number need not be written.

This rule is intended to effect economy in notation. As, by definition, the majority of the books in a library should be in the Favoured Language, this rule results, really, in saving a large amount of labour and time. It also reduces the Book Number to two digits in the case of a majority of books in a library. Incidentally, this rule leads to another desirable effect. According to this rule, among the books in any ultimate class, the group of those in the Favoured Language will have precedence over the groups in the other languages.

0337 In the case of a book belonging to the Main Class 'Literature', if the language of the book is the same as the



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language of the literature, the Language Number need not be written.

This rule also is intended to effect economy in notation. Normally the majority of the books falling in the Main Class 'Literature' are likely to be in the language of that literature. Hence it is an advantage to suppress the Language Number if the language of the book is the same as the language of the literature. A few books such as translations, biographies, criticisms, etc., may be in languages other than the language of the literature. In such cases, the Language Number ought to be written. It may be explicitly stated here that even if the language of the book or the language to be used to construct the Language Number is the Favoured Language, the Language Number ought to be written.

### 034 The Date Number

034 The Date Number is got by translating the decade of publication into appropriate symbols (capital letters of the Roman alphabet) in accordance with the following schedule and putting thereafter in Arabic numerals the number of the year of publication within the decade:—

#### CHRONOLOGICAL TABLE FOR BOOK NUMBER

A Before 1880	J 1960 to 1969	S 2050 to 2059
B 1880 to 1889	K 1970 to 1979	T 2060 to 2069
C 1890 to 1899	L 1980 to 1989	U 2070 to 2079
D 1900 to 1909	M 1990 to 1999	V 2080 to 2089
E 1910 to 1919	N 2000 to 2009	W 2090 to 2099
F 1920 to 1929	O 2010 to 2019	X 2100 to 2109
G 1930 to 1939	P 2020 to 2029	Y 2110 to 2119
H 1940 to 1949	Q 2030 to 2039	Z 2120 to 2129
I 1950 to 1959	R 2040 to 2049	AA 2130 to 2139
		AB 2140 to 2149
		etc.

The above chronological table has been prepared purely with the conditions of the Madras University Library in view. Since the library itself was formed only twenty-five years ago, most of its books are those published in recent years only. It has been found that no ultimate class contains more than a few books published before 1880. Such a condition is likely to obtain in many of the Indian libraries. In the case of older libraries the starting point of the chronological table may be some suitable year earlier than 1880. In the case of very ancient libraries and manuscripts libraries, it may be better to use the divisions of the Chronological Schedule given as Schedule 5 of Part II.

## BOOK NUMBER

The following are some examples of the translation of the year of publication into symbols:—1929 = F9, 1930 = G0, 1939 = G9, 1965 = J5.

0341 The date of publication of a work is the year which is given in the imprint of the title page.

0342 If a book is a facsimile reproduction of another book the date given in the facsimile title page is to be taken as the year of publication.

0343 Subject to the provisions of Rule 0342, if there be more than one title page giving a year in the imprint, the latest of such years is to be taken as the year of publication.

0344 If the year of publication is not given in the imprint of the title page but one or more years are given on the back of the title page, the latest of such years is to be taken as the year of publication.

0345 If no year is given either in the imprint of the title page or on its back, or if the book has no title page, the latest of the years given under the preface or inferable from any other part of the book is to be taken as the year of publication.

0346 If the year of publication cannot be inferred from any part of the book, it is to be found from books of reference or from any other source of bibliographical information.

For the books in the English Language, the *English catalogue*, the *Reference catalogue*, the *British Museum catalogue*, the bibliographies given in books such as *Cambridge history of English literature*, and such other works, may be of use.

0347 If the year of publication cannot be found by any of these methods, the most probable year is to be guessed from the nature of printing, the nature of paper and such other information that may be available.

0348 If the year of publication is not taken from the title page or its back, the decision arrived at by the classifier must be checked by another person and if there is difference of opinion, the matter is to be referred to the Chief Librarian for final decision.

### 035 The Accession part of the Book Number

035 If more than one book of the library, having the same ultimate class, are written in the same language or have



## BOOK NUMBER

the same language to be used to construct the Language Number and have also the same year of publication, the books are arranged in the order of accession when it can be ascertained or otherwise in any arbitrary order. In the case of the first book, the Book Number is to end with the Date Number. In the case of the second book, the Date Number is to be followed by 1; in the case of the third book, the Date Number is to be followed by 2; in the case of fourth book, the Date Number is to be followed by 3 and so on. In the case of the  $n$ th book, the Date Number is to be followed by  $n-1$ .

0351 The digit or digits thus added to the Date Number may be termed the Accession Part of the Book Number.

0352 If the Accession Part of the Book Number consists of more than one digit, it is to be read as an integer and not as a decimal.

It is obvious that if the library possesses more than one book published in a given language in a given year and belonging to a given ultimate class, the Book Number will not individualise them if it stops with the Date Number. But the addition of the Accession Part will remove the difficulty.

A library cannot decide in advance which of the books having the same ultimate class and published in the same year in the same language will be acquired by it. Hence, it has been decided that the most convenient way of arranging such books is to arrange them by the order of accession.

Further, when the first of such books is acquired, it cannot be known whether the library will get any other such book. In case it does not get any other such book the addition of '1' after the Date Number of the only book acquired may prove to be unnecessary. Nor will it be convenient to add '1' to the Date Number of the first book as soon as a second book is acquired, since the task of changing the number in numerous places, which will be necessary, will involve waste of time. Hence, it has been decided to leave the first book without the addition of the Accession digit and to add the Accession digit or digits only in the case of the later books.

It may be explicitly remarked that this Rule is also applicable to additional copies of one and the same book.

## 036 The Volume Number

It may happen that a work is in more than one volume. In such a case it would be desirable to devise the Book Numbers of the volumes in such a way that they are all brought together. The device that is employed for this purpose is given in Rule 0361. But before going to

## BOOK NUMBER

that Rule, it will be convenient to formulate a test for deciding when the volumes of a set are to be kept together. The following Rule gives a set of sufficient tests.

036 A set of volumes is to be deemed to be indivisible if one or more of the following conditions hold good:—

- (a) The set possesses a common index.
- (b) The same sequence of pagination is continued throughout all the volumes of the set.
- (c) The subject matter is promiscuously distributed among the volumes of the set so that it is not practicable to treat each volume as a separate book.

The tendency should be to separate the volumes of a set except under very rare circumstances. Then only the volumes will get placed along with the other volumes in cognate classes. Hence the tests have been so framed that a set will be deemed indivisible only under rare and exceptional circumstances.

0361 In the case of an indivisible set of volumes, the volumes of the set are to be individualised by putting a dot after the Date Number or the Accession Part of the Book Number, as the case may be, and putting the number of the volume in Arabic numerals after the dot.

03611 The digit or digits thus added after the dot may be termed the Volume Number.

03612 If it consists of more than one digit, it is to be read as an integer and not as a decimal.

The device given in the Rule secures in a very natural way that the volumes of the set are kept in their proper order.

If the volumes of an indivisible set are not published in the same year, the year that is to be used for the Date Number is indeterminate. The following Rule is enunciated to remove this indeterminateness.

0362 The date of publication of an indivisible set is the year in which the earliest published volume in the set is published.

One might ask why should not the year of publication of the first volume of the set be used for the construction of the Date Number. Not infrequently it happens that the volumes of an indivisible set are not published in a normal order. Exigencies may lead to the publication of a later volume before an earlier volume and in fact to the publication of the volumes in any irregular order.

## BOOK NUMBER

Hence, if the labour of changing the numbers is to be avoided, it is obvious that the most convenient year that can be taken as the year of publication of the set is the year in which the first published volume in the set appears.

### 037 The Supplement Number

037 In the case of a volume which has supplementary volume or volumes, the Book Number of the supplementary volume or volumes is to consist of the Book Number of the corresponding main volume followed by a dash which is itself followed by the number of the supplement in Arabic numerals.

0371 If a supplementary volume relates to more than one volume of an indivisible set of volumes, its Book Number is to consist of the Book Number of the last of such volumes in the set, followed by a dash which is itself followed by the number of the supplement in Arabic numerals.

The result of this rule is to attach the supplementary volume to the last of the volumes to which it relates.

0372 The digit or digits thus added after the dash may be termed the Supplement Number.

0373 If it consists of more than one digit, it is to be read as an integer and not as a decimal.

0374 A Book Number which has a Supplement Number as its part is to come immediately after the Book Number which is made up only of the digits preceding the dash and if there be more than one supplement to a book they are to be arranged among themselves in the order of the Supplement Number.

Usually such supplementary volumes either contain additional information or maps or statistical tables which are not complete by themselves but have use only when read with the main volumes. Hence, it is usually found that it is more convenient if the supplementary volumes are all kept together with the main volumes in the order in which they appear. The device given in the Rules of this section is to secure this object.

## 1 MAIN CLASS DIGIT

10 The first digit of a Class Number is the symbol representing the Main Class of knowledge into which the book falls. It may be termed the MAIN CLASS DIGIT.

We now begin the rules relating to the construction of the Class Number part of the Call Number. The first digit is naturally to represent the Main Class of knowledge that occupies either the whole or the major portion of the book.

101 The twenty-eight classes into one and only one of which each book has to fall may be termed the Main Classes and the digits representing them are given in Schedule I of Part II.

The special device, that has been employed to make the Main Classes totally exhaustive, consists in the introduction of certain generalia classes, *viz.*, the Generalia Class proper which has no letter attached to it, the Science (General) Class which is represented by *A*, the Natural Science (General) Class which is represented by *G*, the Useful Arts Class which is represented by *M* and the Miscellaneous Social Sciences Class which is represented by *Y*. The existence of composite books is another reason which necessitates the introduction of such generalia classes.

The task of making the twenty-eight Main Classes mutually exclusive is by no means easy, since the terms used to name these classes are not definite in their denotation. The boundary lines between the different Main Classes are never either clear or definite. Sciences usually shade into one another and the boundary line gets shifted from time to time. Hence, the only practical way in which the terms can be made definite is to define these terms by successive sub-divisions\*. This will be done in the later chapters. The mutual exclusiveness of the classes will be secured by taking care to see that the subdivisions are so constructed as to avoid overlapping. Further, once the subdivisions get themselves attached to particular Main Classes, due care should be taken to see that they are not disturbed from their position. In other words, the library should be absolutely consistent in the use of the subdivisions.

It can be seen that these twenty-eight Main Classes fall into four broad groups. The classes *A* to *M* constitute the group 'the Sciences and their applications'. *Δ* forms a group by itself. The classes *U* to *Z* relate to the subjects that deal with 'Man in society'. The remain-

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\* *Vide* Canon of Enumeration developed in the *Prolegomena* to library classification.

## MAIN CLASS DIGIT

ing divisions relate to the other humanistic subjects. There is some kind of evolutionary relation among the classes of each group, as shown in pp. 204-206 of the *Prolegomena to library classification*. The appropriateness of the placing of  $\Delta$  between the sciences and the humanities will be shown in chapter  $\Delta$  of this part.

Any book dealing with more than one of the classes  $H$  to  $L$  is to be placed in the class  $G$ . Any book which deals with more than one of the Sciences, i.e., with more than one of the classes  $B$  to  $M$ , but one at least of which falls outside and one at least inside the group of classes  $G$  to  $L$ , is to be placed in the class  $A$ . Any book which deals with more than one of the classes  $Q$  to  $Z$  is to be placed in the class  $F$ . Finally any book which deals with more than one subject, one at least of which falls outside and one at least inside the group of the scientific subjects, is to be put in the class 'Generalia'.

11 To fix the first digit, the title, the contents, the preface, the index and the whole book are to be used in order. One is to go down the sequence as far as it is necessary.

In a majority of modern books the title, no doubt, indicates the Main Class of the book. But in certain cases, the title may be either non-significant or positively misleading. Hence, it may be necessary to check the decision made with the use of the title, by turning through the pages of the book in a rapid manner.

When the title is non-significant, the contents of the book may throw some light on its Main Class. But there are cases where it may not be possible to find the Main Class of the book except by reading it through. Roughly speaking about half a percent of the books in a library may involve such a long process to find out the Main Class. (Vide Chapter 9 of the *Prolegomena to library classification*.)

12 Rules governing the fixing up of the second and further digits will depend upon the first digit.

This Rule merely states the obvious fact that the subdivision of different subjects will have to proceed on different lines. Most of the later chapters are really devoted each to one Main Class.

While the commentaries on some of the rules in later chapters seek to discuss the definition of the terms used to denote the classes, the denotation of most of the classes is to be inferred, in conformity to the Canons of Context and Enumeration, from the filiation order in which the classes are enumerated in the schedules of Part II.



## 2 COMMON SUBDIVISIONS

2 Subdivisions which may occur in many classes may be termed COMMON SUBDIVISIONS.

There are certain subdivisions which may occur in many classes, for example, we may have to provide for the subdivisions;—bibliography, biography, collected works, conference, history and so on in the case of many classes. It will be convenient if the same Common Subdivision is always represented by the same symbol in all cases. The mnemonic table of Common Subdivisions is built up with this object in view and has been included among the preliminary tables.

21 The Common Subdivisions and the digits representing them are given as Schedule 2 of part II.

It is not maintained that every one of these Common Subdivisions will be applicable to every class. All that is intended is that they may be applicable to many classes. For example, Bv is History of Mathematics, Pv is History of Linguistics, Xv is History of Economics, C52v is History of the Physics of X rays, P111:J1v is History of the Phonology of Modern English.

In certain subjects, some of the symbols used in this table will be given a special meaning. For example, in Literature *c* will stand for 'Index of titles' and *e* will stand for 'Index of first lines'. In Linguistics *z* will stand for 'Comparative and genetic study'. Such special use of the symbols of the Schedule of Common Subdivisions will be indicated in subsection '8' of the chapters dealing with the respective subjects.

22 Any Class Number may, if possible, be amplified by the addition of a COMMON SUBDIVISION NUMBER, which shall consist of Common Subdivision digits, bare or amplified.

23 Unless otherwise specified the Class Number is to be worked out on the basis of the prescribed trains of characteristics to the fullest extent admitted by the book before it is amplified by a bare or amplified COMMON SUBDIVISION NUMBER.

231 In the case of biographies and some types of collected works, the CLASS NUMBER is to be worked out to the least extent possible. The exact extent has to be left to the flair of the classifier.

## COMMON SUBDIVISIONS

24 Whenever warranted, two or more Common Subdivision numbers may be added in succession.

e.g. History of a laboratory will warrant successive amplification by *c* and *v*.

The manner in which Common Subdivision digits are to be amplified is given in the succeeding Rules of this Chapter. In most of these Rules the terms *Chronological Device* and *Geographical Device* will appear. Their meaning will be found in Chapter 6 of this Part.

2a The digit *a* may be amplified as the Generalia Class '1 Bibliography' is subdivided if the nature of the book warrants it or otherwise simply by the Chronological Device. The Chronological Number is to be worked out to two digits. The decade up to which the bibliography is brought, is to be used as the epoch.

The following few lines will illustrate the use of the Chronological Device, when fullfledged amplifications as in '1 Bibliography' is not warranted. Let us take the class *Principles of literary criticism* as an example. It is possible to have many bibliographies of this subject brought up to one of several periods, like the Aristotelian period, the Augustan period, the Elizabethan period, the Victorian period, the Georgian period and so on. If the digit *a* which comes after the Class Number of the class *Principles of literary criticism* is not amplified by the Chronological Device, all these bibliographies will get arranged simply by their dates of publication with the result that the bibliographies of the different periods get intermingled. On the other hand if the digit *a* is amplified by the Chronological Device as laid down in this Rule, the bibliographies will be grouped by the latest periods covered by them and the groups will themselves come in the normal chronological sequence. Certainly it is much more desirable to have them grouped like that.

2b The digit *b* as well as the subdivisions of *b* may be amplified first by the Geographical Device and then by the Chronological Device, the Geographical Number and the Chronological Number being separated by a colon. The Chronological Number is to be worked out to two digits. The latest decade about which the book gives information is to be used as the epoch. In the case of the bare digit *b* and the numbers *b1* and *b5*, a colon is to be put before the Geographical Number.

The common sub-division *b1* is to accommodate tests of qualifications only. The technique of applying the tests will go to the appropriate Main Classes. For example, the technique of testing physical fitness is to be classed in L:8 and the technique of conducting examinations or intelligence tests is to be classed in T:47.

## COMMON SUBDIVISIONS

2c The digit *c* may be amplified, first by the Geographical Device and then by the Chronological Device, the Geographical Number and the Chronological Number being separated by a colon. If the book gives an account of a particular laboratory, the Chronological Number is to be worked out to three digits, the year of foundation of the laboratory being used as the epoch. Otherwise it is to be worked out to two digits only, the latest decade about which the book gives information being used as the epoch.

2d The digit *d* may be amplified in the same way as the digit *c* except that, if it refers to an exhibition, the year of the exhibition is to take the place of the year of foundation.

2e The digit *e* may have to be subdivided, whenever necessary, according to the nature of the Class Number which it amplifies.

There are likely to be many instruments related to any given class. In the case of a book which deals with more than one instrument, the class number is to be amplified by the bare digit *e*. But if a book deals with one single instrument only, it will be convenient to have *e* further subdivided. No attempt has been made in this edition to give the subdivisions of *e* that will be appropriate to the different classes. Except in very specialised libraries, the need for it may not arise. Such specialised libraries may work out a scheme of subdivision that satisfies the Canon of Mnemonics, enunciated in the *Prolegomena to library classification*.

2f The digit *f* may be amplified by the Chronological Device. The Chronological Number is to be worked out ordinarily to two digits. The decade, the conditions of which are represented by the map or atlas, is to be used as the epoch.

2g The digit *g* may not require any amplification.

2h The digit *h* is to be amplified first by the Geographical Device and then by the Chronological Device, the Geographical Number and the Chronological Number being separated by a colon. The country in which the institution is situated is to be used to construct the Geographical Number. The Chronological Number is to be worked out to three digits. The year of foundation of the institution is to be used as the epoch.

2j The digit *j* may be amplified by the Chronological Device. The Chronological Number is to be worked out to three digits, the year of birth of the person or the year of



## COMMON SUBDIVISIONS

foundation of the institution, in whose memory or honour the book is written, is to be used as the epoch.

2*k* The digit *k* may not require any amplification.

2*l* The digit *l* is to be amplified first by the Geographical Device and then by the Chronological Device, the Geographical Number and the Chronological Number being separated by a colon. The country in which the Society had its headquarters at the time of foundation is to be used to construct the Geographical Number. The Chronological Number is to be worked out to three digits. The year of foundation of the Society is to be used as the epoch.

The term *society* is used to denote a Learned Society founded and maintained for the pursuit of one or more branches of knowledge. The digit *l* is to be used in the case of a book which gives an account of the Society. But in the case of occasional or periodical publications issued by the Society, the digit *l* is not to be used. Such publications are to be treated as ordinary books or as periodical publications as the case may be.

2*m* The digit *m* is to be amplified first by the Geographical Device and then by the Chronological Device, the Geographical Number and the Chronological Number being separated by a colon. The country in which the first volume of the periodical was published is to be used to construct the Geographical Number. The Chronological Number is to be worked out to three digits. The year in which the periodical was commenced is to be used as the epoch if it is not the organ of a Society. If it is the organ of a Society, the year in which the Society was founded is to be used as the epoch.

As a result of this rule, all the volumes of a specific periodical will get the same Class Number and will be brought together as their Class Number will be unique. They will be individualised by their Book Numbers.

2*m*1 When applied to further amplify the digit *m*, the digit *a* is to be used in the case of cumulative indexes. It may be amplified in accordance with Rule 2*a*.

2*m*2 If a volume of a set is in more than one part, the parts are to be regarded as an indivisible set in constructing the Book Number.

2*m*3 In the case of a periodical publication, the Language part of the Book Number need not be written.

## COMMON SUBDIVISIONS

The Class Number of a periodical publication contains the Geographical Number of its place of origin. As a result of this, the periodical publications in any given subject will get themselves grouped by the countries. This would incidentally lead also to the grouping of the periodicals by languages except in a few anomalous cases. Hence the adding of the Language Number in the Book Number would be redundant.

2m4 If a Society publishes two or more periodical publications which treat of the same class of knowledge, the class number for the first is to be constructed as provided in rule 2m and the class numbers for the second, third, *etc.*, are to be got from that of the first by adding the digit 1, 2, *etc.*, respectively to it. If the number thus added be in two or more digits, it should be read as an integer and not as a decimal.

As a result of this rule, all the periodicals issued by the same Society and treating of the same class of knowledge will come together.

2n The digit *n* may be amplified first by the Geographical Device and then by the Chronological Device, the Geographical Number and the Chronological Number being separated by a colon. The country or any other geographical area about which the yearbook, *etc.*, gives information is to be used to construct the Geographical Number. The Chronological Number is to be worked out to three digits. The year of commencement of the yearbook, *etc.*, is to be used as the epoch.

As a result of this rule, all the issues of a specific yearbook, *etc.*, will get the same Class Number and will be brought together as their Class Number will be unique. They will be individualised by their Book Numbers.

2n1 If a volume of a yearbook, *etc.*, is in more than one part, the parts are to be regarded as an indivisible set in constructing the Book Number.

2n2 If the same Geographical Number or the same Chronological Number or both has or have been used in constructing the Class Number, which is amplified by the digit *n*, the Geographical Number or the Chronological Number or both, as the case may be, may be omitted in amplifying the digit *n*.

It is obvious that it would be redundant to repeat the same numbers both before and after the digit *n*.

## COMMON SUBDIVISIONS

2p The digit *p* is to be amplified first by the Geographical Device and then by the Chronological Device, the Geographical Number and the Chronological Number being separated by a colon. The country or any other geographical area which engages the attention of the Conference, or, otherwise, to the people of which the membership of the Conference is primarily restricted, is to be used to construct the Geographical Number. The Chronological Number is to be worked out to three digits. If the Conference is a stray one, the year of the Conference is to be used as the epoch; if it is held periodically by a permanent agency and if it is desirable to bring together the proceedings of the successive sessions, the year of the first sessions is to be used as the epoch.

2p1 If the same Geographical Number or the same Chronological Number or both has or have been used in constructing the Class Number which is amplified by the digit *p*, the Geographical Number or the Chronological Number or both, as the case may be, may be omitted in amplifying the digit *p*.

It is obvious that it would be redundant to repeat the same numbers both before and after the digit *p*.

2q The digit *q* may be amplified, first by the Geographical Device and then by the Chronological Device, the Geographical Number and the Chronological Number being separated by a colon. The country or any other geographical area which is covered by the Bill, etc., is to be used to construct the Geographical Number. The Chronological Number is to be worked out to three digits. The year of the Bill, etc., is to be used as the epoch.

2q1 If the same Geographical Number or the same Chronological Number or both has or have been used in constructing the Class Number which is amplified by the digit *q*, the Geographical Number or the Chronological Number or both, as the case may be, may be omitted in amplifying the digit *q*.

It is obvious that it would be redundant to repeat the same numbers both before and after the digit *q*.

2r The digit *r* may be amplified by the Geographical Device. The country or the Geographical area which is covered by the Report is to be used to construct the Geographical Number.

## COMMON SUBDIVISIONS

This will secure that the successive issues of one and the same Report will get the same Class Number and will be brought together as their Class Number will be unique. The different issues of the Report will be individualised by their Book Numbers.

It may be explicitly stated that the digit appropriate to the report of a Commission is *t* and not *r*; similarly the digit appropriate to the report of a Conference is *p* and not *r*; the digit appropriate to the report of a survey is *u* and not *r*.

2*r*1 If the same Geographical Number has been used in constructing the Class Number which is amplified by the digit *r*, the Geographical Number may be omitted in amplifying the digit *r*.

It is obvious that it would be redundant to repeat the same number both before and after the digit *r*.

2*r*2 If an issue of a Report is in more than one part, the parts are to be regarded as an indivisible set in constructing the Book Number.

2*r*3 If more than one type of Report are issued by the same body or institution, that is, if more than one type of report get the same Class Number by Rule 2*r* or 2*r*1, as the case may be,

(*a*) in the case of one of the types in the library, the Class Number constructed by Rule 2*r* or 2*r*1, as the case may be, is to be used without further amplification,

(*b*) in the case of the second, third, etc., types in the library, a colon is to be put after the Class Number constructed by Rule 2*r* or 2*r*1, as the case may be, and thereafter the number 1, 2, etc., respectively is to be added. If the number thus added is in more than one digit, it is to be read as an integer and not as a decimal.

2*s* The digit *s* may be amplified first by the Geographical Device and then by the Chronological Device, the Geographical Number and the Chronological Number being separated by a colon. The country or the geographical area about which the book gives information is to be used in constructing the Geographical Number. The Chronological Number is to be worked out to two digits. If the publication is a stray or isolated one, the year covered by the publication is to be used as the epoch. If the publication is issued periodically, the digit *s* is to be amplified by the digit *m* with the

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proviso that if it is issued by a government, the Chronological number may be omitted and rule 2r3 may be applied if necessary.

This will secure that the successive issues of any statistical publication issued periodically will get the same Class Number and will be brought together as their Class Number will be unique. The different issues will be individualised by their Book Numbers.

2s1 If the same Geographical Number or the same Chronological Number or both has or have been used in constructing the Class Number which is amplified by the digit *s*, the Geographical Number or the Chronological Number or both, as the case may be, may be omitted in amplifying the digit *s*.

It is obvious that it would be redundant to repeat the same numbers both before and after the digit *s*.

2s2 If an issue of a statistical publication is in more than one part, the parts are to be regarded as an indivisible set in constructing the Book Number.

2t The digit *t* is to be amplified first by the Geographical Device and then by the Chronological Device, the Geographical Number and the Chronological Number being separated by a colon. The country or the geographical area coming within the purview of the Commission, etc., is to be used in constructing the Geographical Number. The Chronological Number is to be worked out to three digits. The year of appointment of the Commission, etc., is to be used as the epoch.

2t1 If the same Geographical Number or the same Chronological Number or both has or have been used in constructing the Class Number which is amplified by the digit *t*, the Geographical Number or the Chronological Number or both, as the case may be, may be omitted in amplifying the digit *t*.

It is obvious that it would be redundant to repeat the same numbers both before and after the digit *t*.

2u The digit *u* is to be amplified first by the Geographical Device and then by the Chronological Device, the Geographical Number and the Chronological Number being separated by a colon. The country or the geographical area coming within the purview of the Survey, etc., is to be used in constructing the Geographical Number. The Chronological



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Number is to be worked out to three digits and the date of commencement of the Survey, etc., is to be used as the epoch, if it is a specially constituted survey. Otherwise, the chronological number is to be worked out to two digits and the latest decade covered by the survey or the descriptive account is to be used as the epoch. Further, if the conditions surveyed are not subject to frequent change, (*e.g.* geological conditions), the chronological number may be worked out to a single digit or may even be omitted altogether.

2u1 If the same Geographical Number or the same Chronological Number or both has or have been used in constructing the Class Number which is amplified by the digit *u*, the Geographical Number or the Chronological Number or both, as the case may be, may be omitted in amplifying the digit *u*.

It is obvious that it would be redundant to repeat the same numbers both before and after the digit *u*.

General travel books will get a place in the Subject Division *U*. The Class Numbers of such books need not be amplified by the digit *u*.

2v The digit *v* is to be amplified first by the Geographical Device and then by the Chronological Device, the Geographical Number and the Chronological Number being separated by a colon. The country or the geographical area about which the book gives information is to be used in constructing the Geographical Number. The Chronological Number is to be worked out to two digits. The decade up to which the history is brought in the book is to be used as the epoch.

The remarks similar to those given under Rule 2a will hold good here also.

2w The digit *w* is to be amplified by the Chronological Device. If a book gives the biography of a single person, the Chronological Number is to be worked out to three digits, and the year of birth of the biographee is to be taken as the epoch. If a book gives the biographies of more than one person, the Chronological Number is to be worked out to two digits and the decade of birth of the youngest of the biographees is to be taken as the epoch.

2w1 If the same Chronological Number has been used in constructing the Class Number which is amplified by the digit

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*w*, the Chronological Number may be omitted in amplifying the digit *w*.

A biographical book is to get the Class Number of the class with which the name of the biographee is primarily associated. For example, the biography of a mathematician is to be placed in the Class B; the biography of an astronomer is to be placed in the class B9; the biography of an electrical engineer is to be placed in the class D66; and that of a person like Mahatma Gandhi, whose name is primarily associated with work on political rights of India, is to be placed in the class V44:25. On the other hand, the biography of a person whose name cannot be definitely associated with some subject or another is to be placed in 'Generalia'. Similarly if a book gives the biography of a number of persons whose names are associated with more than one subject, one at least of which falls among the group of Subject Divisions N to Z, it is to be placed in 'Generalia'.

The letters and correspondence of a person are to be treated as part of his biography for the purpose of this Rule.

2w2 In many of the Social Sciences and in the divisions of the Main Class  $\Delta$ , it is possible for the case-study or observation-study mode of exposition to take the form of a biography. In such a case, the Class Number is to be amplified by *y7* and not by *w*.

*Examples:* 1. Purohit Swami's *An Indian monk: his life and adventures* is to be given the Class Number  $\Delta 2y7M82$  and not  $\Delta 2wM82$ .

2. E. Allison Peer's *Ramon Lull : a biography* is to be given the Class Number  $\Delta 6y7G32$  and not  $\Delta 6wG32$ .

3. But, a biography of Rom Landau or of Paul Brunton is to be amplified only by *w*, though its Main Class is  $\Delta$ , since their biographies are of interest not as case-studies but only as lives of persons who have made a special study of the Main Class  $\Delta$ .

2w3 The biography of a person whose importance is due mainly to his association with some other person of importance, either as a relative or as a friend, or in any other manner is to be given the Class Number of the biography of that person of importance.

The biography of such a relative or friend is of interest to the readers only because of the light it throws on the life of the person of importance. For example, it may be said that the biography of Jane Welsh Carlyle is of interest because it throws light on the life of Thomas Carlyle. Hence the book will have a greater chance to find a reader if it is placed with the biographies of Thomas Carlyle. It is just this result that is sought to be secured by this Rule.



## COMMON SUBDIVISIONS

2*x* The digit *x* may be amplified by the Chronological Device. If a book gives the collected works or selections from the works of a single person, the Chronological Number is to be worked out to three digits, and the year of birth of the author is to be taken as the epoch. If a book gives the collected works or selections from the works of more than one person, the Chronological Number is to be worked out to two digits and the decade of birth of the youngest of the authors is to be taken as the epoch.

2*x*1 If the same Chronological Number has been used in constructing the Class Number which is amplified by the digit *x*, the Chronological Number may be omitted in amplifying the digit *x*.

The digit *x* is to be used to amplify the Class Number of a book if it contains either more than one work of an author or the works of more than one author. The collected works may be in one volume or in a set of indivisible volumes.

2*y* The digits *y* and *z* and their subdivisions may not require any amplification, except that when *y*7 is used to denote the life of a person or an account of an institution, it may be amplified as *w* and *h* respectively.

### 3 GEOGRAPHICAL DIVISIONS

30 The Geographical Divisions and the numbers representing them are given in Schedule 3 of Part II.

Several subjects may have to be subdivided geographically at one stage or another. The Main Classes 'History' and 'Geography' will certainly have to be so divided. We have seen in Chapter 2 that the Geographical Division becomes necessary for the amplification of some of the Common Subdivision digits. It will be seen in Chapter 4 that the Language Schedule has to make use of the Geographical Schedule. The notation will gain considerably in mnemonic value if the same number is used to denote the same area in all cases. With this in view, the Geographical Schedule has been constructed and included among the preliminary schedules.

31 The subdivisions of '1 World' are got by using certain convenient characteristics, other than the canonical continent characteristic, which forms the basis for arriving at numbers 4, 5, . . . 9 of the schedule.

32 The digit 2 may be used for the country or province or place to which the library belongs.

It is likely that a library will have a more extensive collection of books pertaining to its country or province or place. Hence the number for that area will have to be inserted very frequently. Further it will have to be subdivided much more profusely than those of other countries or provinces or places. Whereas the number it gets in its natural place in the Geographical Schedule will contain at least two digits and may contain many more, it would add to economy of notation if it can be indicated by a single digit. Hence, it is suggested, that the normal number it gets in its natural place may be left unused and the digit 2 be used to represent it. This rule secures satisfaction to the Canon of Local Variation.

33 As the digit 2 is reserved for the library's own country, etc., the digit 3 may be reserved for the most favoured country.

Here, the term "most favoured" means the country about which the library has a much larger collection than about other countries barring its own country. All the remarks made under Rule 32 are applicable to this rule also.

## GEOGRAPHICAL DIVISIONS

34 If any ultimate area mentioned in the schedule requires further subdivision, the subdivision may be effected in accordance with the following plan. Let the area be divided into eight convenient sectors and the sectors be numbered as hereunder:

- |              |              |
|--------------|--------------|
| 1 East       | 5 West       |
| 2 South East | 6 North West |
| 3 South      | 7 North      |
| 4 South West | 8 North East |

If only one sub-area falls in a sector, the number of the sector may be given to the sub-area. If more than one sub-area falls in a sector, it may be further subdivided in a similar manner. The digit '9' may be reserved for indicating the islands in the neighbourhood of the area.

A strict adherence to this principle is not demanded nor is it possible in all cases. All that is intended is that the rule may be used as a rough guiding principle. It will be found that Schedule 3 of Part II gives detailed subdivisions of certain countries only. They are to be taken as illustrative. The other countries also are to be subdivided similarly, as need arises.

35 A city or town is to be individualised by amplifying the number for its country by the letter C, which itself is to be amplified by the Alphabetic Device (*vide* Rule 67).

For certain cities an alternative number has been suggested in the Geographical Schedule.

36 A lake, mountain or river lying within a country is to be individualised as in Rule 35, except that the mnemonic letter is to be L, M and R respectively.

37 An international lake, mountain or river is to be individualised as in Rule 36, except that the basic Geographical Number is to be that of the continent to which it belongs.

## 4 LANGUAGE DIVISIONS

40 The Language Divisions and the numbers representing them are given in Schedule 4 of Part II.

We have already seen in Chapter 03 that the Language Number is used in the construction of the Book Number. It can easily be seen that it will also be required in the subdivision of the Main Classes 'Literature' and 'Linguistics'. Our notation will gain considerably in mnemonic value if the same number is used to denote the same language in all cases. With this in view the Language Schedule has been constructed and included among the preliminary schedules.

41 To represent a language, definitely known to belong to one of the three families represented by the digits '1', '2' and '3' but not indicated in the schedule, the digit 9 is to be added after the number of the ultimate division into which it will fall and the digit 9 is to be amplified by the Geographical Device, the area in which it first became current being used to construct the Geographical Number.

42 Among the languages to be divided by the geographical device if different languages have originated in the same area, they may be arranged in chronological order, if ascertainable, or in some arbitrary order and a colon followed by the numbers 1, 2, . . . may be put after the geographical number to indicate respectively the first, second . . . of these languages.

This problem may arise only in rare cases.

44 The languages comprised by the classes 4 . . . 9 are to be individualised by the Geographical Device, the respective areas, in which they became first current, being used to construct the Geographical Number.

45 The Artificial Languages are got by the Chronological Device, using the year of coining of the language as the epoch and working the chronological number to three digits.

## 5 CHRONOLOGICAL DIVISIONS

50 The Chronological Divisions and the numbers representing them are given in Schedule 5 of Part II.

In the Main Class 'History,' Chronological Subdivision will be essential. We have seen that, in amplifying some of the Common Subdivision digits, Chronological Subdivision is frequently availed of. It will be seen later that the chronological mode of division appears again and again in the subdivision of most of the classes. In fact, it occurs so frequently, that a part of the next chapter is devoted to the exposition of the idea "Division by Chronological Device" and the variety of uses to which the Chronological Number is put is indicated fully as a preliminary measure, so as to secure brevity in the enunciation of the rules for the detailed subdivision of the different subjects. Again, the variety of uses to which the Chronological Number is being put is one of the elements that has invested the Colon Classification with a marvelous degree of hospitality and elasticity, which is essential in a growing library.

51 In the case of the divisions E onwards, where each letter stands for a century, the decade is to be indicated if necessary by adding the digit of the decade—0, 1, . . . or 9, as the case may be—after the century digit. The year is to be indicated if necessary by adding the digit of the year—0, 1 . . . or 9, as the case may be—after the decade digit. The month is to be indicated if necessary by adding the number of the month—1, 2, . . . or 12, as the case may be—after the year digit. The number representing the month is to be read as an integer and not as a decimal, if it consists of more than one digit.

*e.g.*, E55 = 1055 A.D.      M00 = 1800 A.D.      P01 = 2101 A.D.

52 In the case of the division D, which represents the first millennium A. D., the century is to be indicated, if necessary, by adding the digit of the century—0, 1, . . . or 9 as the case may be—after D. The decade is to be indicated, if necessary, by adding the digit of the year—0, 1, . . . or 9, as the case may be—after the decade digit and so on.

*e.g.*, D010=10 A.D.      D541=541 A.D.

53 In the case of the divisions C and B, which represent respectively the first and the second millenniums B. C., the

## CHRONOLOGICAL DIVISIONS

century digit, the decade digit and the year digit are to be arrived at as follows:—Write the year in ordinary Arabic numerals. The excess of nine over the number representing the century is to be used for the century digit; the excess of nine over the number representing the decade is to be used for the decade digit; and the excess of nine over the number representing the year is to be used as the year digit.

*e.g.*, B025=1974B.C. B999=1000B.C. C499=500B.C. C989=10B.C.

54 In the case of the division A which represents "Before 2000 B.C.", A9 is to be used for the third millennium B.C., A8 for the fourth millennium B.C. ... and A0 for the twelfth millennium B.C. A00 may stand for "Before 12,000 B.C." and may be further subdivided in the same way as A. Each of the numbers A0 to A9 may, if necessary, be further subdivided as in Rule 53.



## 6 EIGHT DEVICES

60 One or more of the following Eight Devices may be employed in constructing a Class Number.

- 1 The Colon Device;
- 2 The Geographical Device;
- 3 The Chronological Device;
- 4 The Favoured Category Device;
- 5 The Classic Device;
- 6 The Subject Device;
- 7 The Alphabetic Device; and
- 8 The Bias-number Device.

This chapter will be devoted to a short account of these Eight Devices which will be frequently employed in the construction of Class Numbers. A preliminary discussion of these devices will add to the clarity of the rules in the later chapters. It will also be conducive to brevity in the enunciation of the rules of classification.

### 61 The Colon Device

61 The Colon Device consists in separating, by a colon, the parts of a Class Number, which relate to the different trains of characteristics forming the basis of classification.

In most of the subjects, more than one relevant train of characteristics are available as a basis of classification. for example, in Literature, the language, the form, the author and the work are the trains of characteristics available. A full discussion of these will be found in Chapter 7 of this part. In Chemistry, the problem of study and the substance studied are the trains of characteristics available. In Botany, the plant studied, the problem and the organ are the trains of characteristics available. In certain subjects like Mathematics, Physics and Geology, the first process of division may follow canonical lines; but the canonical classes may be capable of further division on the basis of more than one train of characteristic.

In all these cases, the part corresponding to each train of characteristics is capable of further division quite independently of the parts corresponding to the other trains of characteristics. This is made practicable by the insertion of a colon in accordance with this rule.

We have already seen in Rule 024 that the magnitude of *colon* lies between 0 and 1. As a result of this, a subdivision of a given number by the Colon Device will have precedence over all other subdivisions of

## EIGHT DEVICES

the same number except those obtained by the Classic Device, the Bias-number Device and the application of a Common Subdivision Number. Also the subdivisions of a given number obtained by varying the train of characteristics forming the basis of classification will have precedence over all its subdivisions obtained either by Auto-Bias Device or by continuing the original itself, or by the Chronological Device, or by the Favoured Category Device, or by the Subject Device or by the Alphabetic Device.

An example may make this point clear. In the example chosen the rules given in Chapter 8 are necessarily anticipated. V44:18 is the Class Number for India's policy towards mandated territories. V441:8 is the Class Number for the Archival Sources of the history of the Madras Province. V4418 is part of the Class Number for the history of the Andhra Desa of the Madras Province. The ordinal arrangement for these numbers is as follows:—V44:18, V441:8, V4418. It can be seen that, as a consequence of the Colon Device, all books dealing with the history of India as a whole will come before the books dealing with the history of the Madras Province as a whole as well as the books dealing with the history of each of the other Provinces as wholes. Again, all the books dealing with the history of the Madras Province as a whole will come before the books dealing with the history of each of the different parts of the Province. And this is as it should be.

Here is another example. In this case the rules given in Chapter L are necessarily anticipated. L:2 is the Class Number for human anatomy; L:3 is the Class Number for human physiology; L:4 is the Class Number for diseases in General; L:4:6 is the Class Number for therapeutics in general; L:4:68 is the Class Number for aerotherapy in general; L2 is the Class Number for the digestive system; L2:2 is the Class Number for the anatomy of the digestive system; L2:3 is the Class Number for the physiology of the digestive system; L2:4 is the Class Number for the diseases of the digestive system; L2:42 is the Class Number for the infectious diseases of the digestive system; L2:421 is the Class Number for the tuberculosis of the digestive system; L2:42:6 is the Class Number for the treatment of infectious diseases of the digestive system; L2:421:6 is the Class Number for the treatment of tuberculosis of the digestive system; L2:421:68 is the Class Number for the aerotherapy of the tuberculosis of the digestive system; L24 is the Class Number for the intestines; L24:4 is the Class Number for the diseases of the intestines. The ordinal arrangement of these Class Numbers is as follows:—L:2, L:3, L:4, L:4:6, L:4:68, L2, L2:2, L2:3, L2:4, L2:42, L2:42:6, L2:421, L2:421:6, L2:421:68, L24, L24:4.

It can be seen that, as a result of the Colon Device, the group of books on human anatomy, the group of books on human physiology, the group of books on diseases in general, etc., will come before the groups of books dealing with individual organs. Among the books dealing with an individual organ, the group of general books will come first. Then the group of books on the anatomy of the organ, the group of books on the physiology of the organ, the group of books on the diseases

## EIGHT DEVICES

of the organ, etc., will come in successive order. Among the books dealing with the diseases of a given organ, the group of general books on the diseases of the organ will come first. The groups of books dealing with particular types of diseases of the organ will come in successive order. Among the books that deal with diseases in general, the general books will come first and then the groups of books dealing with pathology, preventive measures, treatment, etc., will come in successive order. A similar internal arrangement will be secured among the books dealing with the diseases of a specific organ, and so also with the books dealing with the specific diseases of a given organ.

Thus, in the Colon System, the Class Numbers and the classes represented by them form a perfectly articulated system, like the skeleton of a human body, the colon playing the role of the ligaments and cartilages which connect the bones of the system to one another, giving freedom, at the same time, for each bone to grow and to move independent of the other bones. One can easily imagine the great advantage that a specialised worker will find in this system which enables him to lay his hands straight on *all* the materials connected with his work, with the least waste of time. The apparently complex structure of the number cannot be considered to be a source of strain, as the reader is not concerned with the number as such but he is concerned only with the convenient arrangement which the numbers bring about among the books.

Further, as a result of the use of colon, any Class Number becomes a multipartite number capable of expansion at as many points as there are colons, in addition to its being expansible at the right end, whereas in other schemes, a Class Number is capable of expansion at the right end only. In other words, the flexibility of the Colon Notation is many times greater than that of other notations.

The limitations in the flexibility of the notation impose a limitation on the degree of minuteness to which the classification can be carried. On account of the far greater flexibility which the notation of the Colon Classification possesses, the classes in the Colon Classification are capable of being worked out to a far greater degree of minuteness. We have seen, in the *Five laws of library science*, that practically every Law of Library Science demands that the classification should be as minute as possible. The Colon Classification satisfies the demands of the Laws of Library Science much more closely than any other scheme, as a result of the Colon Device. This can be realised by comparing some of the Class Numbers and their subdivisions according to the Colon Classification with the corresponding Class Numbers and their subdivisions according to any other scheme of classification. Some account of such comparison will be found in the *Prolegomena to library classification*.

The Colon Device automatically secures conformity to the Canon of Consistent Order and the Canon of Mnemonics. Further the Colon Notation satisfies the Canon of Hospitality in Chain to a much greater degree than the bare Decimal Notation. This implies that the Colon Notation furnishes a method for the individualisation of subjects to a

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degree that is not possible with the bare Decimal Notation, as illustrated in pp. 106 to 114 & 261 to 265 of the *Prolegomena to library classification*.

6101 It may be stated explicitly that rule 61 implies that a Colon is not to separate the number based on the first train of Characteristics from the Main Class Number.

6102 So also a Colon is not to separate the number based on the first train of characteristics from the Canonical Division Number of a Main Class. (*Vide* the beginning of the Schedules of B Mathematics, C Physics, H Geology, M Useful Arts, N Fine Arts, R Philosophy and Y Social Sciences for examples).

6103 Similarly a Colon is not to separate the number based on the first train of characteristics from a chronologically amplified Main Class Number. (*Vide* the end of the Schedules of S Psychology and X Economics for examples.)

611 In cases where the number on the left side of a colon has no chance whatever for expansion, the colon may be omitted and taken as understood.

This provision is introduced to secure economy of notation wherever possible. The rule for omission of the colon will become operative only if no ambiguity is likely to arise in the ordinal arrangement of the Class Numbers, as a result of the omission. The rules devoted to the classification of the different subjects will generally state when the colon may be so omitted.

The following are some illustrations. Colon is to be omitted between the Form Number and the Author Number in the Main Class 'O Literature' and the Stage Number and the Problem Number in the Main Class 'P Linguistics'.

612 It may be further stated that the numbering of the Classes based on any characteristic is made in conformity to the 'Unscheduled Mnemonics' explained in pp. 129 to 134 of the *Prolegomena to library classification*. This secures a better satisfaction of the Canon of Mnemonics.

613 It will be seen that the enumeration and the numbering of the classes based on any characteristic are made on the "Octave Principle" enunciated in pp. 100-102 of the *Prolegomena to library classification*. This secures complete satisfaction of the Canon of Exhaustiveness and the Canon of Hospitality in Array. The hospitality is really infinite.

### 62 The Geographical Device

62 The Geographical Device consists in using the appropriate Geographical Number for the further subdivision of a class which is capable of geographical division or when the individualisation of the subclasses may be made to depend con-

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veniently on the place of origin or on the place of prevalence or on the place of habitation or on the place that may be definitely associated with the respective subclasses in any other manner or for any other reason. The cases where this device may be applied are generally indicated either in the Schedules of Classification in Part II or in the Rules of Classification in this Part.

We have already seen in Chapter 2, that certain of the Common Subdivision digits can be amplified by the Geographical Device. For example, Rules 2*b*, 2*c*, 2*d*, 2*l*, 2*m*, 2*n*, 2*r*, 2*s*, 2*t*, 2*u*, and 2*v* provide for the amplification of the Common Subdivision digits *b*, *c*, *d*, *l*, *m*, *n*, *r*, *s*, *t*, *u*, and *v* by the Geographical Device. Again in the language table given in Schedule 4 of Part II, it will be seen that the languages not belonging to the Indo-European, the Semitic or the Dravidian families are to be individualised by the Geographical Device. Also, Rule 41 of Chapter 4 of this Part utilises the Geographical Device for individualising certain languages belonging even to the three families mentioned above.

Again Rules P101 and P105 of Chapter P of this Part utilise the Geographical Device for the individualising of dialects and jargons. The Geographical Device is also employed to individualise certain religions as can be seen from Schedule Q of Part II and from Chapter Q of this Part. It is needless to multiply examples at this stage.

The Geographical device automatically secures conformity to the Canons of Consistent Order, Helpful Order, Local Variation, Hospitality in Array, Hospitality in Chain and Mnemonics.

### 63 The Chronological Device

63 The Chronological Device consists in using the appropriate Chronological Number for the further subdivision of a class, which is capable of chronological division or when the individualisation of the subclasses may be made to depend conveniently on the period of origin or birth or on the year of first investigation or on the year of discovery or on the year of initiation or commencement or on the year of occurrence or on the year that may be definitely associated with the respective subclasses in any other manner or for any other reason. Some of the cases where this device may be employed are generally indicated either in the Schedules of Classification in Part II or in the Rules of Classification in this Part. Similar cases where it may be employed, will suggest themselves in the course of actual classification.

631 The chronological number is to be worked out to the century, decade, year or month as specified in the respective



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rules or, if there are no specific rules on the point, as may be most appropriate.

632 The epoch which is to be used to construct the chronological number will be that which is specified in the concerned rules or schedules or, if it is not so specified, that which may be most appropriate.

633 Except as otherwise stated and particularly subject to the rules of Chapter 2 of this part, when more than one entity are related to one and the same year and would otherwise get the same Class Number by the Chronological Device, that year is to be used to construct the Chronological Number for one of the entities and some vacant neighbouring years are to be used respectively to construct the Chronological Numbers of the other entities.

634 If no neighbouring year is vacant to make the application of rule 633 convenient, in the case of the second, third, etc., entities, the number 1, 2, etc., respectively is to be added to the Chronological Number arrived at by rule 632.

We have already seen in Chapter 2, that some of the Common Subdivision digits may be amplified by the Chronological Device. For example, Rules 2a, 2b, 2c, 2d, 2j, 2l, 2m, 2n, 2p, 2q, 2t, 2u, 2v, 2w and 2x provide for the amplification of the Common Subdivision digits a, b, c, d, j, l, m, n, p, q, t, u, v, w and x by the Chronological Device. The schedules in Part II contain many examples in which this device is usefully employed. The great hospitality which this scheme gets by this device is illustrated in the individualisation of special forms and functions in 'Mathematics,' in fixing the Author Numbers in 'Literature,' in the classification of universal languages in the schedule of language classes given in schedule 4 of Part II, in the classification of religious sects, in the classification of the different schools of 'Psychology' and 'Education' and in many other instances, which it would be unnecessary to list here exhaustively.

The Chronological Device automatically secures conformity to the Canons of Consistent Order, Helpful Order, Hospitality in Array, Hospitality in Chain and Mnemonics.

### 64 The Favoured Category Device

64 The Favoured Category Device consists in individualising a few, not more than nine or eighty-one categories, as may be prescribed, about which a larger number of publications exist or may be reasonably expected to come forth, by the digits 1, 2, ... 9 or 11, 12, ... 19, 21, 22, ... 29, ... 91, 92, ... 99, whereas the other categories of its class are to be indivi-



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dualised by some other device. The cases where this device may be applied are generally indicated in the Schedules of Classification in Part II.

This rule is intended to economise in notation in Classes in which a large number of publications may be expected. Incidentally it also gives priority in the shelf arrangement for popular classes. This device is employed at different stages in almost every subject. Illustrative divisions by the Favoured Category Device are given in various schedules in Part II. To quote one example here, in the Subject Division 'J Agriculture' 38 is the Number for Cereals and other seeds that are primarily produced for human consumption. Since rice is the most popular cereal, wheat comes next in popularity and so on, the number for rice is 381, that for wheat is 382 and so on, for the nine most popular cereals and food seeds.

### 65 The Classic Device

65 The Classic Device is employed for bringing together the different editions of a classic in a class, the different editions of each of its commentaries, the different editions of each of the subcommentaries of each of its commentaries and so on and of securing that the group of subcommentaries of a commentary is in juxtaposition to the commentary, that the group of commentaries of a classic is in juxtaposition to the classic and that the group formed of each classic and its associated commentaries is in juxtaposition to the groups of the other classics of the same class.

651 The Classic Device consists in putting the digit  $x$  after the number representing the ultimate class to which the book should be otherwise assigned, and amplifying the digit  $x$  by the Favoured Category Device or the Chronological Device to individualise the classic or the classical author concerned. The amplified  $x$  may be termed the *Classic Number*. The commentaries are indicated by amplifying the corresponding Classic Number by the Favoured Category Device or the Chronological Device. This amplifying number may be termed the *First-order Commentary Number*. The subcommentaries of a commentary are indicated by amplifying the corresponding First-order Commentary Number in a similar way. This amplifying number may be termed the *Second-order Commentary Number* and so on.

The Classic Device secures conformity to the Canon of Classics.

The problem that the Classic Device seeks to tackle is frequent in the case of classical works written in Sanskrit. A reference to the illustrative

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divisions by the Classic Device forming part of the Schedules L, O, P, Q and R of Part II will show how widespread this problem is. There are also some cases of occidental classics—such as Burke's works in Politics, some of the Classics of International Law, the Greek and the Latin Classics—which may more conveniently be grouped by the Classic Device.

One result of the application of the Classic Device is that the classic becomes a class by itself and hence its different editions come together, with the Book Number differentiating them. In the case of a classic, several editions are likely to appear even at distant dates. But for this device, they will get scattered and intermingled with other ordinary books in the same class. Such an intermingling is bound to be revolting to the mind of the readers. It is certainly not desirable that Aristotle's *Poetics* or Dandin's *Kavyādarsa* should be indiscriminately clubbed with the ordinary modern books on literary criticism. Nor will it be happy to interpolate Sankaracarya's works on Indian Philosophy with the modern text-books on Indian Philosophy.

It not infrequently happens, particularly in works in the Sanskrit language, that the classic gets many commentaries which themselves become classic and get many editions and many subcommentaries. All the Laws of Library Science will be best served if and only if the whole family of commentaries and subcommentaries are grouped together and placed next to the different editions of the classic itself. Usually the commentaries and the subcommentaries carry forward the theories contained in the classic. This carrying forward is done step by step in the hierarchy of commentaries and subcommentaries. Hence the happy grouping of a classic with its commentaries and subcommentaries brought about by the Classic Device, incidentally arranges the books in the proper evolutionary order. This adds greatly to the convenience of the readers—nay, it is even educative.

It may be stated here that the use of the digit  $x$  in the Classic Device is not in any way in conflict with the use of the same to indicate *collected works*. As a matter of fact the one use is but a natural and consistent extension of the other.

652 The Favoured Category Device or the Chronological Device is to be used to amplify the digit  $x$  to indicate either a specific classical work or a specific classical author.

653 The Favoured Category Number or the bare or amplified Chronological Number used to represent the author may be termed the AUTHOR NUMBER.

654 If there be only one work of a classical author, the Class Number constructed by Rule 652 will also stand naturally for the only specific work of his.

655 If there be more than one work of a classical author, a colon is to be put after the Author Number and a WORK NUMBER is to be added thereafter. The method of construct-

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ing the WORK NUMBER is the same as that given in Rule 74 of Chapter 7 of this Part.

656 Rules 652—655 are applicable to the construction of the Commentary Numbers also.

It may be stated here that commentary is to be differentiated from criticism. A commentary usually carries the theory of the classic forward and gives some substantial new theory or information; but a criticism does not do so. Again, criticism is to be differentiated from annotation. A criticism gives an estimate and an appreciation or depreciation of an author or his work, as the case may be. But an annotation does not do so. It merely takes the form of short notes elucidating obtruse or difficult points in a work.

### 66 The Subject Device

66 The Subject Device consists in using appropriate Class Numbers for the further subdivision of a class which is capable of such subdivision or when the individualisation of the subclasses may be made to depend conveniently on a Class Number that may be definitely associated with the respective subclasses in any manner or for any reason. The cases where this Device may be applied are generally indicated either in the Schedules of Classification in Part II or in the Rules of Classification in this Part.

The Subject Device secures automatic conformity to the Canons of Consistent Order, Helpful Order, Hospitality in Array, Hospitality in Chain and Mnemonics. This Device is employed at different stages in certain subjects. Many illustrative divisions by the Subject Device are given in the Schedules of Part II for ready reference. Special reference may be made here to the Schedule M, to the *Ethics* part of Schedule R and to the *Functions* part of Schedule W. In some cases, it will be found that the number used for the Subject Device has been modified slightly. But such modifications should not be freely indulged in by individual classifiers.

As the Subject Number used in the Subject Device will begin with a capital letter, and as the Chronological Number will also begin with a capital letter, there may appear to be *prima facie* ground to fear that an ambiguity may arise in the ordinal arrangement of the Class Numbers. But care has been taken to secure that the Chronological Device and the Subject Device do not both become applicable for the further subdivision of a given Class Number.

661 When the Subject Device is used for the further subdivision of a class belonging to any but the last train of characteristics appropriate to the Main Class in question, all the colons in the Class Number to be used for the Subject Device are to be replaced by Zeroes.

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662 The classes based on the trains of characteristics appropriate to each Main Class are enumerated in the schedules of Part II. Any of these schedules whose numbers begin with an Arabic numeral may be augmented by the Subject Device with the following provisoes:

(1) the classes belonging to the Main Classes  $\Delta$  and O and the Main Classes more concrete (less abstract) than the Main Class that is being subdivided are not to be used in the construction of these extra classes by the Subject Device; and

(2) that the schedule is to be so augmented only if none of the later trains of characteristics prescribed for the Main Class that is being subdivided is applicable to the book under consideration.

### Examples:

- (1) A:P31k is the Class Number for a dictionary of scientific terms in Tamil;
- (2) D646:C47 is the Class Number for Harry R. Ricardo's *Engines of high output: thermodynamical considerations*, C47 being the number for thermodynamics;
- (3) G1:C is the class number for George Chile's *Phenomena of life: a radio-electric interpretation* which deals with the physics of living organisms;
- (4) J:E is the class number for C. Harold Wright's *Agricultural analysis*;
- (5) J:1:I23 is the class number for Selman A. Waksman's *Principles of soil microbiology*, where J:1 stands for soil and I23 for bacteriology or microbiology;
- (6) L:Z is the class number for Thomas A. Gonzales's *Legal medicine*;
- (7)  $\Delta$ :R is the class number for Thomas Hywel Hughes's *Philosophic basis of mysticism*;
- (8) Y:X76r3 is the class number for the report of the British Treasury entitled *Public social services; total expenditure under certain acts of Parliament during the financial years, etc.*; and
- (9) Y:Z3 is the class number for John J. Clarke's *Social administration including the poor laws* which deals with the statutory and executive laws and regulations of Great Britain for the working of Social Services.

Rule 613 refers to the Octave Principle that is followed in constructing the schedules. Rule 661 may be said to augment the sche-

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dules to the *last octave*. The appropriateness of the term *last octave* may be shown as follows:

The numbers in the successive octaves will be:

Octave of first rank 1, 2, 3, ... 7, 8

Octave of the second rank 91, 92, 93, ... 97, 98.

Octave of third rank 991, 992, 993, ... 997, 998.

An octave of infinite rank 99...91, 99...92, 99...93, 99...97, 99...98.

In each of the numbers of the infinite rank the number of nines is infinite. The numbers in an octave of infinite rank each of whose numbers contains an infinity of digits cannot be practically applied.

But such an octave is by no means the last! Since A is ordinarily greater than 9 the set (octave)

A, B, C...Z,

though each of its numbers has only one digit, must succeed all the infinity of octaves whose numbers begin with 9. Since there is no number ordinarily greater than Z the A...Z set (octave) may be taken as the last.

It can also be seen that the set (octave)

9A, 9B, 9C,...9Z

is the penultimate octave, the set

99A, 99B, 99C,...99Z

is the last-but-two and so on.

This principle of augmenting any schedule by the Subject Device has been provisionally named the "Last Octave Principle". Discovery of it was made possible only by the critical exploration and reconstruction of the foundations of the theory of classification in the *Prolegomena to library classification*. It occurred only in June 1938 after the book had been published and so could not be mentioned in it.

This new principle has considerably increased the hospitality of the scheme and has led to a more complete and productive application of the Canon of Mnemonics. It has also another advantage. While theoretical provision for an infinity of octaves has been made, those whose numbers have a small number of digits and are of practical use appear at the two ends of this infinite scale and inapplicable octaves with numbers of a large or infinite number of digits lie in the middle. In other words, the notation has enabled us, so to speak, to bend the infinite scale and get hold of the two ends though the middle extends beyond reach to infinity. The immense potentiality of this awaits fuller exploitation.

Some specialisation also has been made in the use of the two ends. The octaves at the nearer end are used for divisions that are *Specific* to the Main Class under consideration and the last octaves, for divisions of a more *fundamental* and *general* nature.

Take for example the schedule of Operations as applied to the class 'J:1 Soil' in the Main Class 'J Agriculture'. Reference to chapter J



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of Part II will show that the divisions in the first octave *viz.* '1 Reclamation', '2 Levelling', '3 Bunding', '4 Ploughing', '5 Harrowing' and '6 Crushing' are operations *specific* to farming, that are of immediate interest to and fall within the direct sphere of the farmer. The second octave will consist of '91 Nomenclature' and so on.

But the last octave will be 'C Physics of the soil', 'E Chemistry of the soil', 'I21 Bacteriology of the soil', etc. These are obviously problems of a *fundamental* nature. The farmer's interest in them is only indirect; for he cannot as a rule deal with these problems himself: he must use the findings of specialists in the fundamental sciences concerned.

663 A similar principle which may be called the "Penultimate Octave Principle" is to be used to augment a schedule by the Subject Device when the numbers of the schedule begin with a capital letter, *i.e.*, are constructed *ab initio* by the Subject Device or the Chronological Device. This augmentation also is subject to the same provisos as those for the Last Octave Principle.

### Examples:

1. A. B. Keith's *Introduction to British constitutional law* is to be given the Class Number V3:29Z by the Penultimate Octave Principle; and not V3:2:Z by the Last Octave Principle, as the third train of characteristic in this Main Class 'V History' is the chronological one, the numbers of whose classes, therefore, begin with a capital letter. As a matter of fact V3:2:Z would mean the constitutional history of Great Britain brought up to 3000 A.D. and not British constitutional law.
2. A statistical study of an educational curriculum is to be given the Class Number T:44:9B28 by the Penultimate Octave Principle and not T:44:B28 by the Last Octave Principle, as the third train of characteristic to be used in the Main Class 'T History' when the problem is '44 Curriculum' is the Subject one, the numbers of whose classes, therefore, begin with a capital letter. As a matter of fact T:44:B28 will mean Curriculum in Statistics and not a statistical study of curriculum.

Perhaps the only regions where the Penultimate Octave Principle is applicable are those covered by the above two examples.

## 67 The Alphabetic Device

67 The Alphabetic Device consists in using the initial letter, or the initial letter amplified, of the name of the substance or any other appropriate entities, for the further subdivision of a class of substances or entities.



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671 If more than one substance or entity have the same initial letter, their initial letters may be amplified by the addition of the numbers 1, 2, 3, etc., respectively.

This device is to be used only in rare cases where no other method of subdivision is practicable. The Schedules in Part II and the Rules of this Part indicate the places where this Device has to be used. To give a few specific examples here, in dividing the Crop Numbers in the Subdivision *Agriculture*, the Alphabetic Device is recommended to be used after the Favoured Category Device is exhausted. There are likely to be many crops dealing with a given class. It is not practicable to indicate these crops in any other way.

So also when the number for the *Bacterial Diseases* of an organ exceeds 8 the only available course is to apply the Alphabetic Device to indicate the diseases that are not indicated by the Favoured Category Device.

### 68 The Bias Number Device

68 The Bias Number Device is employed for bringing together such of the books in a class as are written with a special bias to some other class or from a special point of view that can be associated with some other class, or for the use of special class of readers whose primary interest of study is in some other class, or as have some other special relation to some other class. The class to which the book belongs may be termed the 'Basic Class' and its number may be termed the 'Basic Number'. The other class may be termed the 'Bias Class' and its number may be termed the 'Bias Number.'

681 The Bias Number Device consists in amplifying the 'Basic Number' by the addition of the digit 0 followed by the appropriate 'Bias Number'.

682 Both the 'Basic Number' and the 'Bias Number' are to be worked out as fully as may be appropriate to the book.

A few examples may be given here to illustrate the use of this device. But the rules given in Chapters B and 7 have to be anticipated in giving these examples.

The general text-books of *Mathematics* will have the Class Number B. But it is likely that some of these books are written specially for the use of physicists, engineers, biologists, economists, etc. In the case of such books, the Class Number B may be amplified so as to read B0C, B0D, B0G, B0X, etc., respectively. If such books are not differentiated by the Bias Number Device, they will get intermingled with the ordinary text-books in Mathematics. When an engineer comes and asks for a mathematical text-book, the library cannot readily find out the books suited to him.

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Take another example. The general books on *Statistics* have the Class Number B28. But some of them are written for the use of engineers, some for the use of psychologists and so on. It will be convenient if such books can be differentiated by amplifying their Class Numbers so as to read B280D, B280S, etc.

Again, the critical books on, say, *Shakespeare*, will have the Class Number O:2J64:9. Some of these may deal with the astronomical knowledge in Shakespeare's works, some may deal with the madfolk of Shakespeare, some may deal with the prosody of Shakespeare, some may deal with his spelling, some may strive to study the words used by Shakespeare in a statistical manner. It would be certainly desirable to divide the critical works on *Shakespeare* so as to put all these types into different subgroups. This can be done by amplifying the Class Number O:2J64:9 by the Bias Number Device so as to read respectively as follows:—

O:2J64:90B9

O:2J64:90P:18:3

O:2J64:90Y163

O:2J64:90P::30B28

O:2J64:90P

It may be seen that, in the last example, the Bias Number Device has been used twice. Of course, in such cases, the Class Number is drawn out to an apparently inordinate length. *Such a thing will happen only in a few specialised monographs of a very intensive nature.* If the length of the Class Number in the case of such specialised monographs is to scare us away from the Bias Number Device, the result will be that such monographs will get promiscuously mixed up with a number of other books and monographs not so specialised. If so, either they will practically be lost to the readers or the readers will have to spend an unduly long time to spot them out. Either result is against the spirit of the Laws of Library Science.

This device is designed to satisfy the Canon of View Point.

683. The Auto-Bias Device is employed to lengthen the chain (to subdivide a class) which ends with a particular class in a schedule by further subdividing the class (not in the way in which it is subdivided in the schedule itself, *i.e.*, not on the basis of the characteristic used in the schedule for subdividing that particular class) on the basis of the characteristic used for the formation of other classes in the same schedule. The concepts 'Basic Class', 'Basic Number', 'Bias Class' and 'Bias Number' developed in rule 68 hold good for this purpose also.

6831 The Auto-Bias Device consists in amplifying the number by the addition of the digit '—', (dash) followed by the appropriate 'Bias Number'.

The genesis and the use of this device is explained in detail in pp. 114-116 of the *Prolegomena to library classification*. A few examples may, however, be given here:—

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(1) In the schedule of classes based on the train of organ characteristic in the Main Class 'L Medicine' we have the class '13 Lower extremities' divided into '131 Toes, 132 Feet, etc'. We have also the division '73 Nerves'. Now the class 'Nerves of the lower extremities' may be numbered 13-73.

(2) In the schedule of classes based on the train of problem characteristic in the main Class 'U Geography' we have the class '287 Climate' and '3 Biogeography'. Now the class for bioclimatics may be numbered 3-287.

(3) Again in the schedule of classes based on the train of 'Group characteristic' in the class 'Y1 Sociology' we have the classes '15 Women' and '53 Middle class'. The sub-class 15 is derived from the class using Age and Sex as the characteristic; on the other hand, the subclass 53 is derived from the class 5 using Birth or Status as the characteristic. Now the class 'Middle class women' may be numbered 15-53.

The use of the Auto-Bias Device leads to a fuller satisfaction of the Canons of Hospitality in Chain and Mnemonics.

69. Before concluding this chapter and entering into the special rules belonging to the different Main Classes, it may be well to recollect that four methods are available for subdividing any class, *i.e.*, for increasing the intension:

- (1) Using the subdivisions given in the concerned schedule;
- (2) Applying the Principle of Last Octave explained in rule 662;
- (3) Using a Common Subdivision as provided in chapter 2; and
- (4) Using the Bias Number Device explained in rule 68 and its subdivisions.

Occasions may arise, particularly in the experience of beginners, when there may be an apparent ambiguity or conflict of choice between these four methods. Perhaps it may be well to state here a 'remembrancer' that had been developed in teaching the subject to the students of the School of Library Science:—

I am used to call

the divisions occurring in the schedules of Part II 'current income';

the divisions obtained by the Principle of Last Octave 'bank balance';

the common subdivisions 'ancestral property'; and

the division obtained by the Bias Number Device 'borrowed capital'.

The instruction to the beginners is usually put as follows:

'You should not draw from the bank balance until your current income is spent out. Nor is it proper that you should draw from ancestral property until the bank balance of your self-earned income is

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exhausted. Lastly you should never think of borrowing until you satisfy yourselves that the needs really go beyond the capacity of current income, bank balance and ancestral property”.

The conflict between the Bias Number Device and the Principle of Last Octave may appear to be more irresolvable. The following examples will indicate how it should be resolved:

(1) A text book of economics which expounds the different parts of the subject in a way that is best suited to the students of statistics is to be given the Class Number X0B28. But a book in which economic problems are studied by the application of statistical methods is to be given the Class Number X:B28.

(2) Similarly a general book on medicine which describes the human body in a way that is most suited to the students of chemistry (bio-chemistry) is to be given the Class Number L0E. But a book that expounds the chemical actions that take place in the human body (physiological chemistry) is to be given the Class Number L:E.

(3) Lastly let us take the case of an agricultural engineer. It is necessary for him to have some knowledge of agriculture though not with equal emphasis on every aspect of it. A book which expounds agriculture generally with special emphasis on such branches as the agricultural engineer should specially note is to be given the class number J0D. But a book is to be given the Class Number J:D if it deals with the engineering problems that arise in an agricultural farm, *e.g.*, putting up farmers' huts, estimating the capacity of barns or erecting the same, mending of agricultural tools and perhaps even making simple tools, surveying and levelling of fields, estimating and calculating quantities for earthwork, working and repairing a mechanical water lift or an electrically driven pump and so on.

## 7 LITERATURE

The subjects *Literature* and *History* have been taken out of their places and the rules for classifying them are given first, as these subjects are likely to be of interest to a much larger number of people than the other subjects. It is proposed to give the rules for their classification in a very detailed manner so as to bring out most of the underlying principles. The rules for the classification of the other subjects are not given in such a detailed manner. Many things are left to be supplied by the classifier on the analogy of the Rules for *Literature* and *History*.

70 Four trains of characteristics are to be used for the subdivision of 'Literature,' viz., Language or 'L', Form or 'F', Author or 'A' and Work or 'W'.

Apart from the Last Octave Divisions, the Common Subdivisions and the Bias Divisions that may be applied to 'Literature' or to the sub-classes of 'Literature,' the special subdivisions of 'Literature' are to be based on the four trains of characteristics mentioned in the rule. The connotation of the terms used in the schedules will become clear in the succeeding rules.

701 The four trains of characteristics, forming the basis of classification of 'Literature,' are to be taken in the order 'L', 'F', 'A', 'W'.

A simple calculation will show that there are twenty-four ways of taking the four trains of characteristics in order. The problem is to decide which of these twenty-four possible orders will be the most convenient for those who use the books. It is only the experience of libraries that can give the necessary information about it.

The order suggested by the rule has been found to be quite convenient. The result of this order may be put as follows:—

We shall imagine all the 'Literature' books divided according to their languages and we shall imagine a separate building for the literature of each Language. A reader, interested, say, in English literature will have to go into the 'English' building, so to speak. On entering the building he will find that all Poetry is put in one room, that all Drama is put in another room, all Fiction put in a third room, and so on. Let us assume that the reader is interested in Drama and that he enters the 'Drama' room. There we may imagine that he will find several cupboards each devoted to a Dramatist. If the cupboard, pertaining to any Dramatist, is opened, he will find that each shelf is



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devoted to one work of the Dramatist. In that shelf all the editions of that work and all the criticisms of that work will be found arranged in a convenient order. Roughly speaking this is the result of taking the four trains of characteristics in the order given by the rule. One can easily construct a similar picture for the other possible orders of the trains of characteristics and satisfy oneself about the fitness of the particular order prescribed by the rule.

### 71 Language Number

710 The digit or digits of the language, to the literature of which the book belongs, or about the literature of which the book treats are to be placed immediately after the digit 'O'. This group of digits may be termed the 'Language Number.'

For example, Kalidasa's *Sakuntala*, which belongs to Sanskrit literature, is to be given the language number appropriate to Sanskrit. S.M. Natesa Sastri's *A review of Sakuntala*, though it is in English, is to be given the language number appropriate to Sanskrit and not English, because it treats about *Sakuntala* which belongs to Sanskrit literature. This may be stated in the form of an inequality, viz.,

Language of Work (is not equal to)

≠ Language of Book

This may be called Language Inequality for convenience of citation.

7101 The Language Number is to be taken from the Language Classes given in Schedule 4 of Part II.

7102 In the case of the literature in the Favoured Language, the Language Number may be taken as understood and need not be actually written.

This rule is intended to economise in notation.

711 If a book contains or treats about the literatures of more than one language, no Language Number is to be put.

712 In the case of books treating about the mutual relations of the literatures in more than one language, the Most Popular Language is to be used to construct the Language Number.

### 72 Form Number

72 A colon is to be put after the Language Number or after 'O' according as the language used to construct the Language Number is not or is the Favoured Language.



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72a If a book does not admit of classification on the basis of the language characteristic, colon need not be placed after O.

72b In the Main Class 'Literature', a Class Number without a colon in it has precedence over all Class Numbers with a colon in them.

720 The digit of the Form of literature which the book contains or about which the book treats is to be put immediately after the colon mentioned in Rule 72. This may be termed the Form Number.

7201 The symbols and the corresponding Form Classes are given in Schedule O of Part II.

The terms used in the Schedule of Form Classes are by no means definite. Nor can we say that the term 'Literature' itself is quite definite. Overlooking for the time being, the general meaning of the word 'Literature', viz., the body of writings produced in a particular country or period or in a particular subject, the restricted meaning that the big Oxford Dictionary gives is as follows:—"Writing which has claim to consideration on the ground of beauty of form or emotional effect". Taking the term 'Poetry' the definition which the Oxford Dictionary gives is as follows:—"Composition in verse or metrical language, or in some equivalent patterned arrangement of language; usually also with choice of elevated words and figurative uses, and option of a syntactical order, differing more or less from those of ordinary speech or prose-writing". The Dictionary adds under this a note to the following effect:—"In this sense, poetry in its simplest or lowest form has been identified with versification or verse. This raises the question whether we should classify under 'Poetry' every thing in verse. We find that even scientific treatises of medieval India such as treatises in Mathematics, Natural Science and so on, are in Sanskrit verse. Certainly such books are not to be classified as 'Poetry'.

Evidently to exclude such versifications whose primary interest is the exposition of technical matter, the Dictionary adds another meaning to 'Poetry' in the following words:—"With special reference to its functions: The expression or embodiment of beautiful or elevated thought, imagination or feeling, in language adapted to stir the imagination and emotions, both immediately and also through the harmonic suggestions latent in or implied by the words and connections of words actually used, such language containing a rhythmical element and having usually a metrical form". As if to render such a definition still more indefinite, the Dictionary adds, "The term, is sometimes extended to include expression in non-metrical language having similar harmonic and emotional qualities (Prose-Poetry)".

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The definition of the term 'Drama' is equally difficult. As for the term 'Fiction' the Oxford Dictionary defines it as, "The species of literature which is concerned with the narration of imaginary events and the portraiture of imaginary characters ... now usually prose novels and stories collectively".

From these authoritative definitions, it can be seen that, in the case of many border-line books, it will be difficult, even for experts in the field, to assert whether they should be put in the class 'Literature' and if so in what Form Division of literature. In such border-line cases the classifier is to be guided by the consensus of public opinion among students of literature. But in the majority of cases the appropriate Form Division can be decided without much difficulty.

With regard to the Form Class 'Letters' special attention should be paid to the notes attached to that class. The private correspondence of authors is not to be put under this Form Class but should really go with the biography of the author. It is only works like 'Chesterfield's *Letters to his son*' that should come under the Form Class '4'.

The Class Division '6' is not to include literary criticism. It must include only prose as a species of literature, as opposed to poetry, fiction and drama. A book which contains the biography or a criticism of, say, a poet will be given the Form Number for poetry, as it treats about poetry. Similarly a book which contains the biography or criticism of a dramatist will be given the Form Number for Drama as it treats about drama and so on.

Here also we must remember what may be called Form Inequality, viz.

Form of Work (is not equal to)  
≠ Form of Book.

This idea is to be used in the same way as the Language Inequality explained in the commentary on Rule 710.

721 If a book contains or treats about more than one Form Class with equal emphasis, no Form Number is to be put.

This rule is applicable to history, criticism, etc., of literature in general. It may also be applicable to books which contain selections from all forms of literature. A book that does not admit of division on the basis of 'F' characteristic cannot be divided on the basis of 'A' characteristic or 'W' characteristic.

### 73 Author Number

73. A colon need not be put after the Form Number.

Since, by the Rules 720. and 7201, the Form Number will always consist of a single Arabic numeral only, no ambiguity is likely to arise by not inserting the colon.

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730 The number of the author of the literary piece or work which the book contains or about which the book treats or of the literary author about whom the book treats is to be placed immediately after the Form Number. This group of digits may be termed the Author Number.

If the book is a biography or a criticism of, say, a poet, it is the poet who will determine the Author Number and not the author of the biography or criticism. For example, in the case of 'G. K. Chesterton's *Innocence of Father Brown*' Chesterton will determine the Author Number but in the case of the book 'G. K. Chesterton's *Charles Dickens*' it is Dickens and not Chesterton that will determine the Author Number. In other words, we must recognise what may be termed Author Inequality, *viz.*,

Author of Work (is not equal to)

≠ Author of Book

7301 The Author Number is to be constructed by the Chronological Device, the Chronological Number being worked out to three digits and the year of birth of the author being used as the epoch.

The arrangement of the authors, belonging to a particular Form Class, may be made either alphabetically by the name of the author or chronologically; in other words, the name of the author and the date of the author are two alternative characteristics which can be used for classifying the books in any given Form Class. But it can be easily seen that the name of the author is, in a sense, an accidental characteristic. On the other hand, the needs of students of literature will be better met if the chronological order of the authors is made the basis of classification.

Assuming that the authors should be classified on a chronological basis, there are three main epochs which can be made the characteristics of classification:—

1. The date of birth of the author;
2. The date on which his first literary work was published—the date of his literary birth, so to speak; and
3. The date of death of the author.

Of these, the last is not a practicable one, since the date of death of contemporary authors is an unknowable entity. While the date of literary birth will be the most suitable, this characteristic is not definite. It cannot be easily ascertained and there is likely to be difference of opinion about it. They do not satisfy the Canon of Ascertainability. Hence, the rule uses the date of birth of the author to construct the Author Number.

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The following books will be of use in finding the dates of authors:—

Language	Name of the book
English	(1) The Index Volume of the <i>Cambridge history of English literature</i> .
	(2) The Index Volume of the <i>Dictionary of national biography</i> .
	(3) <i>Who's who</i> .
	(4) <i>Who's who in literature</i> .
Sanskrit	.. KEITH (A. B.). <i>A history of Sanskrit literature</i> .
Tamil	.. POORNALINGAM PILLAI (M. S.). <i>A primer of Tamil literature</i> .
Telugu	.. VEERESALINGAM PANTHULU (K.). <i>Complete works</i> , V. 10, Pt. 1, <i>Lives of Telugu poets</i> .
Kanarēse	.. NARASIMHACHARYA (R.). <i>Karnataka kavicarite</i> .
Persian	.. BROWNE (E. G.). <i>Literary history of Persia</i> .
Urdu	.. RAM BABU SAKSENA, <i>History of Urdu literature</i> .

Similar sources can be found for authors in other languages.

In Medieval Sanskrit Literature and similar cases, the exact year of birth of the author may not be found. In such cases it would be sufficient if care is taken that the relative order of the authors is properly secured. The Author Number is to be worked out to some arbitrary year so as to be in consonance with the relative order. Similarly, if the year of birth cannot be definitely ascertained in other cases, the most probable year is to be used. In the case of living authors, it can be ascertained by addressing them personally, if not ascertainable otherwise.

In the case of certain Ancient Sanskrit and Tamil works, there appears to be no means whatever of conclusively fixing even their centuries (or millennia!). Hence, a special illustrative schedule of some of these classics is given in Schedule O of Part II, where the numbers are worked out by a modified form of Chronological Device.

An author is likely to belong to more than one Form Division. In such cases, it will be an advantage if care is taken to see that he gets the same Author Number in each Form Division.

731 If a book belonging to a specific Form treats about more than one Author or contains or treats about a work or works of more than one Author, no Author Number is to be put.

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This rule is applicable to history, criticism, etc., of the specific Form, in general. It may also be applicable to books which contain selections from several Authors. A book that does not admit of classification on the basis of 'A' Characteristic will not admit of classification on the basis of 'W' Characteristic.

### 74 Work Number

74 A colon is to be put after the Author Number.

740 The digit or digits of the work contained or treated about in the book is to be placed immediately after the colon succeeding the Author Number. This group of digits may be termed the 'Work Number'.

Here also we should remember what may be termed Work Inequality, *viz.*

Work (is not equal to)  $\neq$  Book

This idea is to be used in the same way as the Author Inequality explained in the commentary on Rule 730.

7401 The Work Number is to be constructed as follows:

(a) If the number of works of the author does not exceed eight, the works are to be arranged in chronological order or, if it is impossible, in any arbitrary order, and the numbers 1, 2, 3, ... 8, respectively are to be assigned to the works.

(b) If the number of works of an author is greater than eight but does not exceed sixty-four, the works are to be arranged in chronological order or if it is impossible, in some arbitrary order and they are to be divided successively into groups of eight each, and the numbers 1, 2, 3, ... 8, respectively are to be assigned to the groups. Such a number may be termed the Group Number. Then to get the actual Work Number of the works in any group, numbers 1, 2, 3, ... 8 respectively are to be put after the Group Number; thus, each Work Number will consist of two digits, the first digit indicating the group into which the book falls and the second indicating the work in the group.

(c) If the number of works is greater than sixty-four but does not exceed 512, the same device may be extended. That is, the Work Number will consist of three digits the first digit showing the major group of 64 works into which the work falls, the second digit showing the subgroup of the major



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group into which the book falls, and the third digit indicating the work in the subgroup.

*e.g.*, In the case of an author whose number of works does not exceed eight, the Work Number of the 6th will be '6', that of the 7th will be '7' and so on.

In the case of an author, the number of whose works is greater than eight but does not exceed 64, the 6th work will have the number '16', 7th will have '17', the 15th will have '27', the 16th will have '28', 54th will have the number '76', the 63rd will have the number '87' and so on.

741 If a book contains or treats about more than one work of an Author, no Work Number is to be put.

This rule is applicable to the criticism, bibliography, title index, line index, concordance, etc., of the Author or his works. It may also be applicable to the Author's collected works and to selections from his works.

A translation of a work will get the Class Number of the work itself. The fact that it is a translation and the language into which it is translated will be indicated automatically by the Language Part of its Book Number.

### 78 Special Notes on Common Subdivisions

78 In addition to and in slight modification of the Common Subdivisions given in Schedule 2 of Part II and explained in Chapter 2 of this Part, the following special Common Subdivisions also may be used for subdividing the classes in Literature.

*c* Index of titles of works.

*e* Index of first lines.

78a If a Common Subdivision Number, other than a bare or amplified ':9' is applied directly after the Language Number, the Language Number and the Common Subdivision Number are to be separated by a colon.

The object of this Rule will become clear if it is read with Rule 72b. However, the exclusion of the Common Subdivision Number ':9' from the operation of this Rule needs a word of explanation. If it is not excluded two colons will separate the digit '9' and the language Number. Hence its exclusion is merely to avoid the occurrence of two consecutive colons. A result of this is that books that deal with the general criticism of the literature in a language will come after all other subclasses of the literature of that language. This is not a very natural position for such books. On the other hand, the retention of the two colons, that is bringing the Common Subdivision Number ':9' also within



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the purview of this Rule, would bring such books on general criticism before the Form Classes begin. This is, no doubt, a more appropriate place for such books. Thus the choice is between tolerating two consecutive colons and taking the general criticism books outside their natural position. A library may choose one of these alternatives and stick to it.

78x In the case of a selection from a particular point of view, *x* is to be amplified by the Bias Number Device and not by the Chronological Device.

78:90 ':9' may be termed the Criticism Number.

78:901 When the Criticism Number is applied to a Class Number which has not admitted of division on the basis of the Language characteristic, the colon digit in the Criticism Number is to be omitted.

The object of this Rule will become clear if it is read with Rule 72*b*.

78:91 If the Criticism Number is applied to a Class Number which does not include the Author Number and if the book gives critical studies of individual authors as its main purpose, it is to be amplified by the Chronological Device, the Chronological Number being worked out to two digits and the decade of birth of the youngest of the authors, a study of whom is included in the book, being used as the epoch.

78:911 If the main purpose of the book is not that of giving critical studies of individual authors but that of giving an exposition of the principles of criticism, the Criticism Number is not to be amplified by the Chronological Device.

The Criticism Number may, if necessary, be amplified by any appropriate Common Subdivision Number. Notwithstanding anything to the contrary contained in the Rules of Chapter 2, a further amplification of an amplifying Common Subdivision digit by the Chronological Device is to be made, wherever necessary, even if the Author Number occurs before the Criticism Number.

This provides for the classification of subjects like Bibliographies of Literary Criticism, Periodicals on Literary Criticism, History of Literary Criticism, Biographies of Literary Critics, Collected Works of Literary Critics and so on.

If we have a book, say, on the life of a Shakespearean critic, the critic being primarily associated with Shakespearean Criticism and not with any other subject and assuming that his date of birth is 1857, according to this Rule, it would get the Class Number 0:2J64:9wM57. According to Rule 2*w* however, the Chronological Number M57 is not

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to be applied as a Chronological Number *viz.*, J64 has already occurred in the Class Number. But it can easily be seen that such a course will not differentiate the biographies of all Shakespearean critics. The second part of this Rule is intended to obviate that difficulty.

78:93 In the case of a biography of an author, who is assignable to more than one form of Literature, the Form Number part of the Class Number is to be that one with which the author is most associated.

Though Shakespeare and Kalidasa are both dramatists as well as poets they are more associated with Drama. Hence their biographies are to be placed in the Form Division *Drama*. Although Thomas Hardy and Walter Scott are both novelists as well as poets, their biographies are to be placed in the Form Division *Fiction*. Similarly, although G. K. Chesterton is a prose writer, a novelist as well as a poet, his biography is to be placed in the Form Division *Other Forms of Prose*.

The general criticism of an author who is assignable to more than one Form Division is also to be treated in a similar way whenever found necessary.

78:94 In the case of criticism from a particular point of view, ':9' is to be amplified by the Bias Number Device and not by the Chronological Device.

## 79 The Devices

795 The Classic Device may, if necessary, be applied to any Class Number ending with Criticism Number.

This Rule is particularly applicable in the case of Sanskrit Literary Criticism. An illustrative Classic Device list is given in Schedule O of Part II.

798 *See also* Rules 78*x* and 78:94.

## Conclusion

Before concluding this chapter, it may be advantageous to say a few words explaining the practical way in which the number of the ultimate class of a book is to be constructed by the classifier. It has been seen that the Class Number is likely to be of a number of parts, each part consisting of one or more digits. To build up the number part by part or digit by digit, as the case may be, it may be convenient if the classifier puts to himself, at each stage, a set of questions and selects the next digit in the light of the answer to such questions.

It is proposed to give here a picture of the way in which the classifier is to put to himself appropriate questions at different stages and proceed further in the light of the answers received:—

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the purview of this Rule, would bring such books on general criticism before the Form Classes begin. This is, no doubt, a more appropriate place for such books. Thus the choice is between tolerating two consecutive colons and taking the general criticism books outside their natural position. A library may choose one of these alternatives and stick to it.

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The object of this Rule will become clear if it is read with Rule 72b.

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If we have a book, say, on the life of a Shakespearean critic, the critic being primarily associated with Shakespearean Criticism and not with any other subject and assuming that his date of birth is 1857, according to this Rule, it would get the Class Number 0:2J64:9wM57. According to Rule 2w however, the Chronological Number M57 is not

## LITERATURE

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The general criticism of an author who is assignable to more than one Form Division is also to be treated in a similar way whenever found necessary.

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798 *See also* Rules 78*x* and 78:94.

### Conclusion

Before concluding this chapter, it may be advantageous to say a few words explaining the practical way in which the number of the ultimate class of a book is to be constructed by the classifier. It has been seen that the Class Number is likely to be of a number of parts, each part consisting of one or more digits. To build up the number part by part or digit by digit, as the case may be, it may be convenient if the classifier puts to himself, at each stage, a set of questions and selects the next digit in the light of the answer to such questions.

It is proposed to give here a picture of the way in which the classifier is to put to himself appropriate questions at different stages and proceed further in the light of the answers received:—

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- 1 Does the book give or treat about the literature,
  1. in more than one family of languages; or,
  2. in a specific language; if so, which language?

11 If the book gives or treats about the literature in more than one language, does it give or treat about

1. more than one form of literature; or,
2. a specific form of literature; if so, which form?

111 If it gives or treats about more than one form of literature, into what Common Subdivision does it fall? In other words, by what Common Subdivision Digit is the digit 'O' to be amplified and does the Common Subdivision Digit need further amplification, and if so, in what manner?

111:9 If the amplifying Common Subdivision Number is '9' does it admit of further amplification by a Common Subdivision Digit, or by the Chronological Device, or by the Classic Device, or by the Bias Number Device?

111:991 In case the Number '9' admits of amplification by the Classic Device by what Favoured Category Digit or Author Number is it to be amplified.

111:9911 If it is to be amplified by the Favoured Category Digit, is that digit to be amplified by the First Order Commentary Number, and if so, is that number to be obtained by the Favoured Category Device or by the Chronological Device and what should be the Amplifying Number. And so on with the Second Order Commentary Number, etc.

111:9912 If it is to be amplified by the Author Number, is the Author Number to be amplified by a Work Number, and if so, what is the Work Number?

111:99121 Is the Work Number to be amplified by the First Order Commentary Number, and if so, is that number to be obtained by the Favoured Category Device or by the Chronological Device and what should be the amplifying Number? And so on with the Second Order Commentary Number, etc.

111:992 Does the Class Number arrived at so far admit of amplification by the Bias Number Device? If so what is the Bias Number to be applied? And so on.



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112 If the book gives or treats about a specific form of literature the appropriate Form Number is to be put after 'O'. Now, into what Common Subdivision does the book fall? In other words, by what Common Subdivision Digit is the number made up of the digit 'O' and the Form Digit to be amplified and does the Common Subdivision Digit need further amplification, and if so, in what manner?

The question 111 : 9 and all its subquestions are to be repeated here also.

12 If the book gives or treats about the literature of a specific family of languages, the appropriate Language Number followed by a colon is to be put after the digit O. Then, questions similar to 11 to 112 are to be put and answered.

13 If the book gives or treats about the literature of a specific language, the appropriate Language Number followed by a colon is to be put after the digit 'O'.

Now, does it give or treat about

1. more than one form of literature; or,
2. a specific form of literature; if so, which form?

131 If the book gives or treats about more than one form of literature, questions similar to 111 to 111:992 are to be put and answered.

132 If the book gives or treats about the literature of a specific form of literature, the appropriate Form Number is to be put after the Number made up of the parts 'O', the language Number and the colon.

Now, does the book give a work or works of or treat about

1. more than one author; or,
2. a specific author; if so, whom?

1321 If it gives a work or works of or treats about more than one author, questions similar to 111 to 111:992 are to be put and answered.

1322 If the book gives a work or works of or treats about a specific author, the Author Number is to be put after the Form Number



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Now, does the book give or treat about

1. more than one work of the author; or,
2. a specific work of the author; if so which?

13221 If the book gives or treats about more than one work of the author, questions similar to 111 to 111:992 are to be put and answered.

13222 If the book gives or treats about a specific work of the author, a colon is to be put after the Author Number and the Work Number is to be put after the colon. Then questions similar to 111 to 111:992 are to be put and answered.

133 The general hints given in chapter 9 of the *Prolegomena to library classification* may be of help in this connection.

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80 Three trains of characteristics are to be used for the subdivision of History, *viz.*, Geographical Division or 'G', Problem or 'P', and Chronological Division or 'C'.

Apart from the Penultimate Octave Divisions and the Common Subdivisions and the Bias Number Divisions that may be applied to any subclass of history the natural special sub-divisions of history will have to be based on the three characteristics mentioned in this rule.

801 The three trains of characteristics, forming the basis of classification of History, are to be taken in the order 'G', 'P', 'C'.

A simple calculation will show that there are six ways of taking the three characteristics in order. The problem is to decide which of these six possible orders will be most convenient for those who use the books. It is only the experience of libraries that can give the necessary information about it.

The order suggested by the rule has been found to be quite convenient. The result of the order may be put as follows:—We shall imagine all the history books divided according to the country of which they treat and we shall imagine a separate building for the history of each country. A reader, interested, say, in Indian History, will have to go to the 'India Building', so to speak. On entering the building he will find that all the books on the political history of India are put in one room, all the books on the constitutional history of India are put in another room, all the books on the economic history of India are put in another room and so on. Let us assume that the reader is interested in the constitutional history and that he enters the 'constitution' room. There he will find several cupboards, each devoted to a particular epoch. Roughly speaking, this is the result of taking the characteristics in the order given by the rule. One can easily construct a similar picture for other possible orders of characteristics and satisfy oneself about the appropriateness of the particular order prescribed by the rule.

### 81 Geographical Number

810 The digit or digits of the geographical division, of the history of which the book treats, is to be placed immediately after the digit 'V'. This group of digits may be termed the 'Geographical Number'.

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8101 The numbers appropriate to the different geographical divisions are to be taken from the Geographical Table given in Schedule 3 of Part II.

It may be explicitly stated here that a book dealing with the history of the World is to be given the Geographical Number '1'. The only case in which the Geographical Number is to be omitted is that given in Rule 811.

811 If the book deals with the science of History or of the science of any Problem subdivision of history but does not give the history either of the world as a whole, or of any geographical division, no Geographical Number is to be put.

There are books which give an account of the methodology or the content or the history, etc. of History as an art or science. Again there may be biographies of historians. Evidently such books may not be assignable to any geographical division.

### 82 Problem Number

82 A colon is to be put after the Geographical Number.

82a If the book does not admit of classification on the basis of the train of geographical characteristics the colon is to be put immediately after 'V'.

820 The digit or digits corresponding to the Problem dealt with in the book is to be placed immediately after the colon succeeding the Geographical Number or the digit 'V' as the case may be. This group of digits may be termed the 'Problem Number'.

8201 The symbols and the appropriate Problem Classes are given in Schedule V of Part II.

The denotation of the term 'Political' as used in the Problem Classes is not quite definite. Perhaps, it is more convenient to define it in a negative way saying that it is not exclusively Constitutional or Economic, etc. Further, taking advantage of this vagueness in the meaning of that term and since the text-books in History may deal with more Problem Classes than one, we have made the first division Political and General.

822 The line of demarcation between the Problem Class '2 Constitutional' and the Main Class 'W Political Science' is not an easy one. A book, whose primary interest is tracing the history of or giving a descriptive account of the constitution of a country or of any of its specific constitutional aspects forming the subdivisions of the 'Problem Class 2' and which if at all, is led to the enunciation of certain general constitutional principles only in a subsidiary way or as a by-product of the narration of history, is to be put in the Main Class 'V History'

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and given the Problem Number 2, or any of its subdivisions. On the other hand, a book, whose primary interest is that of studying or giving an exposition of constitutional principles as such and in which the constitutions or the constitutional aspects of particular countries come in only incidentally for illustrative purposes, is to be put in the Main Class 'W Political Science'. In particular, all books dealing with the theory of elections and election methods are to be invariably put in the Main Class 'W Political Science'.

8226 Further, the 'Problem Class 26' is to be used only in the case of books that deal with the general constitutional aspects and the relation of the State to Local Bodies as a class. But if a book deals with a specific Local Body, its Geographical Number is to be worked out to the necessary number of digits to represent the geographical area of the Local Body and the appropriate Problem Class is to be used to construct its Problem Number.

823 The line of demarcation between the Problem Class '3 Economic' and the Main Class 'X Economics' is quite difficult to draw. The following convention is suggested:—A book that traces the march of the economic conditions, in general, of a country is to be put in the Main Class 'V History' and given the Problem Number '3 Economic'. But a book that describes the history or gives a descriptive account of any of the particular aspects of Economic Science indicated in the subdivisions of the Main Class 'X Economics,' is to be put in the Main Class 'X Economics.' For example, books that deal with the labour conditions of a country, the currency of a country, the taxation of a country, the banks of a country, any specific industry of a country, etc. are to be put in the Subject Division 'X Economics'. It need hardly be said that books whose primary interest is the exposition of the principles of the Science of Economics or of any specific aspect of that Science are to be put in the Main Class 'X Economics'.

824 Whereas books dealing with the art of War are to be put in the appropriate subdivision in the Main Class 'M Useful Arts', a book tracing the history of military, naval or aerial operations of a country is to be put in the Main Class 'V History' and given the Problem Number '4 Military, etc. History.'

825 The line of demarcation between the Problem Class '5 Cultural History' and the Class 'Y1 Sociology' is as difficult to draw as in the case of '2 Constitutional History' and '3 Economic History'. The convention to be adopted is to be similar to the one mentioned in Rule 823 and not that in Rule 822.

### 83 Chronological Number

83 A colon is to be put after the Problem Number.

830 The digit or digits corresponding to the period covered by the book are to be placed immediately after the colon succeeding the Problem Number. This group of digits may be termed the 'Chronological Number'.

## HISTORY

8301 The epoch used for the construction of the Chronological Number is to be the latest point of time covered by the book.

8302 The Chronological Number is to be worked out to three digits if the history is brought up to a definite outstanding well-known epoch. If, on the other hand, there is no outstanding epoch up to which the history is traced, it is to be worked out to the two digits corresponding to the latest decade touched by the book.

### 88 Special Notes on common Subdivisions

88 Notwithstanding anything to the contrary contained in Rule 23 of Chapter 2 of this Part, in the case of books falling in the Main Class 'V History', the bare or amplified Common Subdivision Number is to be applied immediately after the Problem Number and the classification on the basis of the 'C' characteristics may be omitted.

It may be recollected that most of the rules in Chapter 2 of this Part provide for the amplification of the Common Subdivision Digit by the Chronological Device. This rule seeks to take advantage of that fact.

88l In the case of the Main Class 'V History,' the Common Subdivision Digit *l* is to be used not only to represent learned societies and institutions but also organisations like the *League of Nations* and the *Institute of Pacific Relations* which are associations of Nations or States. In such cases the digit *l* is to be applied immediately after the Geographical Number and amplified in accordance with the rules for amplification.

88q19 A treaty with another State is to be given the Problem Number '19 Foreign Policy' and amplified by the digit *q* which itself is to be amplified by the Geographical Device and then by the Chronological Device, the Geographical Number and the Chronological Number being separated by a colon. The Country or the State which forms the other party to the Treaty is to be used to construct the Geographical Number. If there be more than one such country, the first of the countries is to be used. If the book gives a single treaty with the State, the Chronological Number is to be worked out to three digits, the year of the Treaty being used as the epoch. If the book gives more than one Treaty with the State used

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to construct the Geographical Number, the Chronological Number is to be worked out to two digits only, the decade of the latest of such treaties being used as the epoch.

88q2 A Constitutional Act is to be given the Problem Number '2 Constitutional' and amplified by the digit *q* which itself is to be amplified by the Chronological Device. If a book gives a single Constitutional Act, the Chronological Number is to be worked out to three digits, the year of the Act being used as the epoch. If a book gives more than one Constitutional Act the Chronological Number is to be worked out to two digits, the decade of the latest of the Acts being used as the epoch.

88r The Administration Report of a State or Local Body is to be given the Problem Number '1 Political and general' amplified by the digit *r*.

88s The Class Numbers of books giving only tables of Kings, Ministers, etc. are to be amplified by the digit *s* which itself is to be amplified in accordance with Rule 2s.

88w Biographies of persons of the diplomatic services of a State are to be given the Problem Number '19 Foreign Policy' and amplified by the digit *w* which itself is to be amplified in accordance with Rule 2w.

Although indicated already in the commentary to Rule 2w it may be repeated here that the biography of a King, a President, a Viceroy, a Governor, a Minister, a Legislator, a Leader of a Political Party, a Person who has been known as one who has fought for Political Rights, and a Person whose name is best associated with the functioning of Local Bodies, etc. is to be placed in the appropriate subdivision of the Problem division '2 Constitutional'.

## 89 The Devices

89 Notwithstanding anything to the contrary contained in Rule 682 of Chapter 6 of this Part, in the case of books falling in the Main Class 'V History', the Bias Number is to be applied before the 'C' characteristic is used.

8919 In the case of a book dealing with the Foreign Policy of a State in regard to some other specific State, the Problem Number '19' is to be amplified by the Bias Number Device using the Geographical Number of the other State as the Bias Number. A colon is to be put after the number



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thus got and the appropriate Chronological Number is to be added thereafter.

89190 In the case of a book dealing with the Foreign Policy of a State in relation to some other State and in regard to a Specific Subject, the Bias Number Device is to be applied once again after the Geographical Bias Number using the Class Number of the specific subject as the Bias Number.

8919*q* In the case of a treaty on a specific subject such as 'Extradition', 'Trade facilities', 'Cessation of hostilities', 'Postal matters' and so on, the Problem Number '19' is to be amplified by the Bias Number Device using the Number of the subject matter of the treaty as the Bias Number. The digit *q* is to be put after the Bias Number and amplified as in Rule 88*q*19 and its subdivisions.

## 9 GENERALIA

9 The main classes of Generalia and their subdivisions are given in Schedule 9 of Part II.

The rules for the subdivision of 'Literature' and 'History' were begun with the enumeration of certain characteristics to be used as the basis of their classification. It will be noticed later that the same method is adopted in the case of most of the other subjects. But such a course is not available in the case of 'Generalia'.

Further it might be noticed from Schedule 1 of Part II that no symbol is given to represent the Main Class 'Generalia'. In fact, the term Generalia is merely introduced, for convenience of reference, as the generic name for the totality of divisions indicated in Schedule 9 of Part II. The succeeding rules of this Chapter deal with the subdivisions of the several main classes of Generalia.

### 91 Bibliography

910 Two trains of characteristics are to be used for the subdivision of Bibliography, *viz.* Material or 'M' and Bibliography or 'B'.

The connotation of these terms will become clear in the succeeding rules.

9101 The two trains of characteristics forming the basis of classification of Bibliography are to be taken in the order 'M', 'B'.

The term bibliography is far from being definite in its use. We are here using it in the sense indicated by the divisions based on the train of 'B' characteristic mentioned in Rule 910.

It may be added here that a bibliography of the writings on a particular theme will be indicated by amplifying the Class Number of the theme by the Common Subdivision digit *a*, itself being amplified in accordance with Rule 2*a*. The bibliography of an author, not represented by an Author Number in Literature, is to be indicated by amplifying the number representing his Collected Works by the Common Subdivision digit *a*, itself being amplified in accordance with Rule 2*a*. It is only general bibliographies, which cannot be assigned to any other single Class or Author, that are to be placed in this class.

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### 911 Material Number

9110 The digit or digits of the material, a bibliographical list of which is given in the book, is to be placed immediately after the digit '1'. This group of digits may be termed 'Material Number'.

91101 The symbols and the corresponding 'Material Classes' are given in Schedule 9 of Part II.

9111 In the case of a book giving a bibliographical list of more than one kind of material, the Material Number is not to be put.

### 912 Bibliography Number

912 A colon is to be put after the Material Number or after '1' according as the Material Number is or is not used.

9120 The digit, indicating the nature of the bibliography which the book contains, is to be put immediately after the colon mentioned in Rule 912. This digit may be termed the 'Bibliography Number.'

91201 The symbols and the corresponding 'Bibliographical Classes' are given in Schedule 9 of Part II.

Among the first three classes on the basis of the 'B' characteristic, if there is any ambiguity as to which of them is to be used to construct the Bibliography Number, the latest of them is to be used. Again if there is ambiguity between the classes (a) 1, 4 and 5; or, (b) 2, 4, and 5; or, (c) 3, 4, and 5, the earliest of the divisions possible is to be used in each case.

91202 A colon is not to be put after the Bibliography Number in case it has to be amplified by any of the Devices.

Since the Bibliography Number will always consist of a single Arabic numeral only except for initial 9's if any no ambiguity is likely to arise by not inserting the colon.

9121 The Bibliography Number '1' is to be amplified first by the Geographical Device and then by the Chronological Device, the Geographical Number and the Chronological Number being separated by a colon. The geographical area, of the publications published in which the book gives a bibliography, is to be used to construct the Geographical Number. If the bibliography is a stray or isolated one, the Chronological Number is to be worked out to two digits and the decade up to which the bibliography is brought is to be used as the

## GENERALIA

epoch. If it is issued periodically, the Chronological Number is to be worked out to three digits, the year of commencement of the publication being used as the epoch.

9122 The Bibliography Number '2' is to be amplified first by the Geographical Device and then by the Chronological Device, the Geographical Number and the Chronological Number being separated by a colon. The geographical area, with which the publications in the bibliography deal, is to be used to construct the Geographical Number. If the bibliography is a stray or isolated one, the Chronological Number is to be worked out to two digits and the decade up to which the bibliography is brought is to be used as the epoch. If it is issued periodically, the Chronological Number is to be worked out to three digits, the year of its commencement being used as the epoch.

9123 After the Bibliography Number '3', the number representing the language, the bibliography of the publications in which or about which is given in the book, is to be put.

91231 The Class Number got by Rule 9123 is to be amplified by the Chronological Device only or by the Geographical Device and then by the Chronological Device, according to the requirements of the case. In the former case, a colon is to be put before the Chronological Number. In the latter case, a colon is to be put before and after the Geographical Number.

In either case, if the bibliography is a stray or isolated one, the Chronological Number is to be worked out to two digits, the decade up to which the bibliography is brought being used as the epoch and if it is issued periodically, the Chronological Number is to be worked out to three digits, the year of commencement of the publication being used as the epoch. In the latter case, the geographical area of the materials in which alone or about which alone it gives a bibliography, is to be used to construct the Geographical Number.

9124 The Bibliography Number '4' is to be amplified, first by the Geographical Device and then by the Chronological Device, the Geographical Number and the Chronological Number being separated by a colon. The country in which the library is situated is to be used to construct the Geographical Number. The Chronological Number is to be worked

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out. to three digits, the date of foundation of the library or of the institution to which it may belong, if it belongs to any, being used as the epoch.

9125 The Bibliography Number '5' is to be amplified, first by the Geographical Device and then by the Chronological Device, the Geographical Number and the Chronological Number being separated by a colon. The country in which the publishing firm is situated is to be used to construct the Geographical Number. The Chronological Number is to be worked out to three digits, the date of foundation of the publishing firm being used as the epoch. If the publisher is the government of the country, the Chronological Number may be omitted.

### 92 Library Science

920 Two trains of characteristics are to be used for the subdivision of Library Science, *viz.* Problem or 'P' and Library or 'L'.

9201 The two trains of characteristics forming the basis of classification of Library Science are to be taken in the order 'P', 'L'.

#### 921 Problem Number

9210 The digit or digits of the problem dealt with in the book are to be placed immediately after the digit '2'. This group of digits may be termed the 'Problem Number'.

92101 The numbers appropriate to the different problems are given in Schedule 9 of Part II.

9211 If a book treats about more than one problem, no Problem Number is to be put.

#### 922 Library Number

922 A colon is to be put after the Problem Number or after '2' according as the Problem Number is or is not used.

9220 The digit or digits of the type of library are to be put after the colon. This group of digits may be termed the 'Library Number.'

92201 The numbers appropriate to the different types of libraries are given in Schedule 9 of Part II.

## GENERALIA

928 $q$  In the case of a Schedule of Classification, the digit  $q$  is to be added after the Problem Number "51 Classification" and is to be amplified first by the Chronological Device and then by the Subject Device. No colon is to be put between the Chronological Number and the Subject Number. The Chronological Number is to be worked out to three digits, the date of first publication of the Schedule of Classification being used as the epoch. If the Schedule of Classification deals with more than one Subject, the Subject Number need not be put.

928 $q$ 1 In the case of a Code of Cataloguing Rules, the digit  $q$  is to be put after the Problem Number '55 Cataloguing' or its subdivision as the case may be and is to be amplified by the Chronological Device. The Chronological Number is to be worked out to three digits, the year in which the Code was first published being used as the epoch.

### 93 Dictionaries. Encyclopædias

93 In the case of the Division '3 Dictionaries, Encyclopædias', the digit '3' is to be amplified first by the Geographical Device and then by the Chronological Device, the Geographical Number and the Chronological Number being separated by a colon. The country in which the encyclopædia is published is to be used to construct the Geographical Number. The Chronological Number is to be worked out to three digits, the year in which the first published volume of the first edition was published being used as the epoch.

It is only general encyclopædias that are to be put in the Generalia Class '3'. Encyclopædias of particular subjects are to be indicated in accordance with Rule 2 $k$  of Chapter 2 of this Part. It is only dictionaries of a general nature that are to be put in the Generalia Class '3'. Dictionaries giving the meanings of words or phrases are to be put in the Subject Division 'P Linguistics.'

931 Notwithstanding anything to the contrary contained in Rule 93, if the encyclopædia gives information about a specific country that country is to be used to construct the Geographical Number required to amplify the digit '3' and not the country in which the encyclopædia is published.

### 94—98 Societies to Yearbooks

The Generalia Numbers '4 to 8' and their subdivisions, if any, are to be amplified exactly like the Common Subdivisions corresponding to them dealt with in Chapter 2 of this Part, with the following proviso:—



## GENERALIA

1. In the case of a Society or a periodical which specialises in the study of a particular geographical area, the digit 4 or 5, as the case may be, is to be first amplified by the Bias Number Device using the number of the geographical area concerned as the Bias Number and a colon is to be put after the Bias Number before it is dealt with as in Rule 2*l* or 2*m*.

2. In the case of Indian Generalia Periodicals in an Indian language the number '52' is to be first amplified by the Bias Number Device using the number of the language of the periodical as the Bias Number and a Colon is to be put after the Bias Number before the Chronological Number is applied.

3. In the case of national biographies, the digit 7 is to be amplified first by the Geographical Device and then by the Chronological Device.

Only books which cannot be assigned to any one of the Subject Divisions 'A to Z' are to be put in the appropriate Generalia Classes '4 to 8.' *Who is Who* is to be put in the Generalia Class '7' and the digit '7' is to be amplified, in its case, as if it were a periodical.

The provisos are intended to bring together special periodicals like *Orientalia* or *Indiana* ones or those in particular Indian languages.

### 99 General Essays

99 The General Eassays Number '9' is to be amplified by the Classic Device.

991 In the case of general essays that specialise in the study of a particular geographical area, the digit 9 is first to be amplified by the Bias Number Device using the number of the geographical area concerned as the Bias Number and then only amplification by the Classic Device is to be made.

This rule is intended to bring together specialised general essays such as essays on *Orientalia* and *Indiana*.

### 998 Theses

998 The Generalia Number '98' is to be amplified, first by the Geographical Device and then by the Chronological Device, the Geographical Number and the Chronological Number being separated by a colon. The country of the University or Institution to which the theses were submitted is to be used to construct the Geographical Number. The Chronological Number is to be worked out to three digits, the year of foundation of the University or Institution being used as the epoch.

## A SCIENCE (GENERAL)

A1 As 'B to M' are really subdivisions of 'A', 'A' itself need not be divided on the basis of any characteristic. The only way in which A is to be subdivided is by the application of Common Subdivisions or the Classic Device or the Bias Number Device or the Last Octave Principle.

## B MATHEMATICS

B The chief divisions of Mathematics and their subdivisions are given in Schedule B of Part II.

All the remarks given under Rule 9 of Chapter 9 are applicable here. It is not possible to enunciate any relevant characteristics which may be made the basis for the classification of Mathematics as a whole. In fact we have to divide Mathematics in the first instance, along canonical lines. Even some of the canonical classes of Mathematics have to be further subdivided only on canonical lines. But certain canonical classes and subclasses admit of classification on the basis of definite and appropriate trains of characteristics, as can be seen from Schedule B as well as from the succeeding rules of this Chapter.

The terms used to denote the classes of Mathematics cannot be said to be quite definite. Even the Oxford Dictionary does not help us in fixing their denotation. Their denotation is to be fixed only by the enumeration of their subdivisions.

There are several Special Forms in Mathematics about each of which literature has accumulated and is accumulating. Such Special Forms appear in all subdivisions of Mathematics. For example we have Special Arithmetic Functions, Special Algebraic Equations, Special Algebraic Transformations, Special Groups, Special Series, Special Integrals, Special Differential Equations, Special Differential Operators, Special Functions and so on.

The method that is invariably employed in Mathematics as well as in all other subjects to represent such Special Forms, Topics, Theories, etc., is that of working out the Class Number as far as it is possible on the basis of the characteristics of classification and amplifying the Class Number, thus arrived at, by the Chronological Device, the Chronological Number being usually worked out to three digits. The year of the first publication of an authentic exposition or investigation of the Topic or Theory or Form, as the case may be, is to be used as the epoch. The volumes of *Encyklopädie der mathematischen Wissenschaften* will be of help in fixing the Chronological Number in most of the cases. Other books on the History of Mathematics may also be of help.

### B1 Arithmetic

B1 The subdivision of Arithmetic is not based on any natural characteristic. The subdivisions are merely the canonical ones.

It may be stated here that books on Cardinal Numbers, Ordinal Numbers, Transfinite Numbers and similar topics are not to be placed

## MATHEMATICS

in this division. Their appropriate place is B31 'Foundations of Analysis.'

### B11 Lower Arithmetic

B11 By 'Lower Arithmetic' is meant arithmetic as it is popularly understood. Some of its subdivisions are indicated in Schedule B of Part II. It is unlikely that there will be either books or even articles on topics which are more specialised than the subdivisions given in the Schedule. If there be any, each subdivision may be further subdivided in any suitable manner.

### B12 Concept of Numbers

B12 The division 'Concept of Numbers' is to be used only for books which do not deal either with the special psychology of numbers on the one hand or with the foundations of Analysis on the other. This division is intended to hold popular accounts of the 'Concept of Numbers' such as Conant's *Concept of numbers*.

### B13 Theory of Numbers

B130 Three trains of characteristics are to be used for the subdivision of 'Theory of Numbers,' viz., Number or 'N', Problem or 'P' and Method or 'M'.

B1301 The three trains of characteristics forming the basis of classification of 'Theory of Numbers' are to be taken in the order 'N', 'P', 'M'.

B1302 The Numbers corresponding to these trains of characteristics may be termed the 'Number Number', the Problem Number' and the 'Method Number' respectively.

B1303 The symbols and the appropriate divisions on the basis of each of these trains of characteristics are given in Schedule B of Part II.

The term 'Theory of Numbers' is traditionally used to the study of the properties of Integers. Its use is also, nowadays, extended to the study of certain other classes of numbers such as Ideal Numbers and Higher Complex Numbers which are given as further divisions of B1. In this extended sense, 'Theory of Numbers' is also denoted by the term 'Higher Arithmetic.'

B131 The classes into which numbers are divided on the basis of 'N' characteristic are not intended to be mutually exclusive in the sense that the same number should not occur in more than one class. It is only the aspect studied that will be different in the different classes. The evolution of the 'Theory of Numbers' indicates that the centre of attention is not on the numbers as such but on the aspects of numbers which are indicated in the Schedule. Further aspects, which may

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appear in future, can be accommodated either as subdivisions of the classes already given or as additional classes.

B133 It can be seen from the Schedule of 'Method Numbers' forming part of Schedule B of Part II, that the 'Method Numbers' are mnemonically derived from the canonical classes of the Main Class 'B Mathematics' and their subclasses. Whenever necessary, the 'Method Numbers' may be further subdivided in the same way as the canonical classes of Mathematics are subdivided.

### B2 Algebra

B2 The subdivision of Algebra is not based on any natural characteristic. The subclasses are merely canonical ones.

#### B21 Elementary Algebra

B21 By 'Elementary Algebra' is meant Algebra which does not involve infinite processes. The subclasses of 'Elementary Algebra' also are on canonical lines.

#### B23 Theory of Equations

B230 Two trains of characteristics are to be used for the subdivision of 'Theory of Equations', *viz.*, Equation or 'E' and Problem or 'P'.

B2301 The two trains of characteristics forming the basis of classification of 'Theory of Equations' are to be taken in the order 'E', 'P'.

B2302 The numbers corresponding to these trains of characteristics may be termed the 'Equation Number' and the 'Problem Number' respectively.

B2503 The symbols and the appropriate divisions on the basis of each of these trains of characteristics are given in Schedule B of Part II.

### B25 Higher Algebra

B250 Three trains of characteristics are to be used for the subdivision of Higher Algebra, *viz.*, Form or 'F', Degree or 'D' and Transformation or 'T'.

B2501 The three trains of characteristics forming the basis of classification of Higher Algebra are to be taken in the order 'F', 'D', 'T'.

B2502 The Numbers corresponding to these trains of characteristics may be termed the 'Form Number', the 'Degree Number' and the 'Transformation Number' respectively.

## MATHEMATICS

B2503 The symbols and the appropriate divisions on the basis of each of these trains of characteristics are given in Schedule B of Part II.

B291 The division 'B29 Algebras' is to be subdivided by the Favoured Category Device. If there be more Algebras than can be accommodated by the Favoured Category Device, the Chronological Device may be used to individualise the further ones.

### B3 Analysis

B3 The subdivision of Analysis is not based on any natural characteristic. The subclasses are merely canonical ones.

#### B33 Differential and Integral Equations

B330 Four trains of characteristics are to be used for the subdivision of Differential and Integral Equations, *viz.*, Equation or 'E', Degree or 'D', Order or 'O' and Problem or 'P'.

B3301 The four trains of characteristics forming the basis of classification of Differential and Integral Equations are to be taken in the order 'E', 'D', 'O', 'P'.

B3302 The numbers corresponding to these trains of characteristics may be termed the 'Equation Number', the 'Degree Number', the 'Order Number' and the 'Problem Number' respectively.

B3303 The symbols and the appropriate classes on the basis of each of these trains of characteristics are given in Schedule B of Part II.

B339 Special Integral and Differential Equations are to be individualised by the Chronological Device.

#### B37 Real Variable

B370 Two trains of characteristics are to be used for the subdivision of 'Real Variable', *viz.*, Variable or 'V' and Problem or 'P'.

B3701 The two trains of characteristics forming the basis of classification of Real Variable are to be taken in the order 'V', 'P'.



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B3702 The numbers corresponding to these trains of characteristics may be termed the 'Variable Number' and the 'Problem Number' respectively.

B3703 The symbols and the appropriate divisions on the basis of each of these trains of characteristics are given in Schedule B of Part II.

### B38 Complex Variable

B380 Two trains of characteristics are to be used for the subdivision of Complex Variable, *viz.*, Variable or 'V' and Problem or 'P'.

B3801 The two trains of characteristics forming the basis of classification of Complex Variable are to be taken in the order 'V', 'P'.

B3802 The numbers corresponding to these trains of characteristics may be termed the 'Variable Number' and the 'Problem Number' respectively.

B3803 The symbols and the appropriate divisions on the basis of each of these trains of characteristics are given in Schedule B of Part II.

### B39 Special Functions

B39 Each subclass of B39 is to be amplified by the Chronological Device to individualise Special Functions.

B391 Each Special Function may be divided on the basis of the train of Problem Characteristics, as is done in the case of 'B38 Complex Variable'.

### B4 Other Methods

B4 The subdivisions of B4 by the Favoured Category Device are given in Schedule B of Part II. If other methods of Analysis are discovered than can be accommodated by the Favoured Category Device, the Chronological Device will have to be employed. The divisions representing each method may have to be further subdivided on the basis of appropriate characteristics. It has not been attempted, however, in this edition, as these subjects are quite recent and sufficient literature has not come out to justify the labour involved in further subdividing them.

### B6 Geometry

B60 Two trains of characteristics are to be used for the subdivision of Geometry, *viz.*, Space or 'S' and Method or 'M'.

## MATHEMATICS

B601 The two trains of characteristics forming the basis of classification of Geometry are to be taken in the order 'S', 'M'.

B602 The numbers corresponding to these trains of characteristics may be termed the 'Space Number' and the 'Method Number' respectively.

B603 The symbols and the appropriate divisions on the basis of each of these trains of characteristics are given in Schedule B of Part II.

The first division under the train of 'S' characteristics is rather anomalous. It is devoted to books on the 'Foundations of Geometry'. Each of the other divisions on the basis of the train of 'S' characteristics has been further subdivided on the basis of the Degree of the Curve or Surface studied in the book. As usual Special Curves and Special Surfaces are to be individualised by the Chronological Device. The division 9 on the basis of the train of 'S' characteristics is devoted to Non-Euclidian Geometry. Some of its subdivisions by the Favoured Category Device are indicated in Schedule B of Part II. If there be more systems of Geometry than can be accommodated by the Favoured Category Device, the Chronological Device is to be used to individualise the further ones.

## B7 Mechanics

B70 Two trains of characteristics are to be used for the subdivision of Mechanics, *viz.*, Matter or 'M' and Problem or 'P'.

B701 The two trains of characteristics forming the basis of classification of Mechanics are to be taken in the order 'M', 'P'.

B702 The numbers corresponding to these trains of characteristics may be termed 'Matter Number' and 'Problem Number' respectively.

B703 The symbols and the appropriate divisions on the basis of each of these trains of characteristics are given in Schedule B of Part II.

## B9 Astronomy

B90 Two trains of characteristics are to be used for the subdivision of Astronomy, *viz.*, Body or 'B' and Problem or 'P'.

## MATHEMATICS

B901 The two trains of characteristics forming the basis of classification of Astronomy are to be taken in the order 'B', 'P'.

B902 The numbers corresponding to these trains of characteristics may be termed the 'Body Number' and the 'Problem Number' respectively.

B903 The symbols and the appropriate divisions on the basis of each of these trains of characteristics are given in Schedule B of Part II.

## C PHYSICS

C The chief divisions of Physics and their subdivisions are given in Schedule C of Part II.

Physics is one of the few subjects in which the rules for subdivision cannot be begun with the enumeration of some trains of characteristics to be used as the basis of their classification. On the other hand, we have to divide physics, in the first instance, on canonical lines. Some of these canonical divisions admit of further subdivision on the basis of certain trains of characteristics.

### C2 Properties of Matter

C20 Two trains of characteristics are to be used for the subdivision of Properties of Matter, *viz.*, State of Matter or 'S' and Problem or 'P'.

C201 The two trains of characteristics forming the basis of classification of Properties of Matter are to be taken in the order 'S', 'P'.

C202 The numbers corresponding to these trains of characteristics may be termed the 'State Number' and the 'Problem Number' respectively.

C203 The symbols and the appropriate divisions on the basis of each of these trains of characteristics are given in Schedule C of Part II.

### C3 Sound

C30 Two trains of characteristics are to be used for the subdivision of Sound, *viz.* Wavelength or 'W' and Problem or 'P'.

C301 The two trains of characteristics forming the basis of classification of Sound are to be taken in the order 'W', 'P'.

C302 The numbers corresponding to these trains of characteristics may be termed the 'Wavelength Number' and the 'Problem Number' respectively.

## PHYSICS

C303 The symbols and the appropriate divisions on the basis of each of these trains of characteristics are given in Schedule C of Part II.

### C4 Heat

There is only one train of characteristics forming the basis for the classification of Heat, *viz.*, Problem or 'P'. The classes based on the train of 'P' characteristics are given in Schedule C of Part II.

### C5 Light

C50 Two trains of characteristics are to be used for the subdivision of Light, *viz.*, Wavelength or 'W' and Problem or 'P'.

C501 The two trains of characteristics forming the basis of classification of Light are to be taken in the order 'W', 'P'.

C502 The numbers corresponding to these trains of characteristics may be termed the 'Wavelength Number' and the 'Problem Number' respectively.

C503 The symbols and the appropriate divisions on the basis of each of these trains of characteristics are given in Schedule C of Part II.

C51 The first division on the basis of the train of 'W' characteristics represents visible light and the divisions '2' to '8' represent the invisible regions of the spectrum.

C528 Specific theories are to be individualised by the Chronological Device. The Chronological Number is to be worked out to three digits, the date of the first publication of an authentic exposition of the theory being used as the epoch.

### C6 Electricity

C60 Two trains of characteristics are to be used for the subdivision of Electricity, *viz.*, Electricity or 'E' and Problem or 'P'.

C601 The two trains of characteristics forming the basis of classification of Electricity are to be taken in the order 'E', 'P'.

C602 The numbers corresponding to these trains of characteristics may be termed the 'Electricity Number' and the 'Problem Number' respectively.

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C603 The symbols and the appropriate divisions on the basis of each of these trains of characteristics are given in Schedule C of Part II.

C628 Specific theories on the nature of Electricity are to be individualised by the Chronological Device.

### C8 Cosmic Hypothesis

C8 Specific theories are to be individualised by the Chronological Device.

Some illustrative examples are given in Schedule C of Part II.

CA Wherever necessary, the train of 'State of Matter' characteristic mentioned in section C2 of this Chapter may be used as an additional train of characteristic for further classification.

e.g. C433:1 Specific heat of solids

C62:14:8 Conduction of electricity through gases.



## D ENGINEERING

D0 Subject to the provisions of Rule D60 and its subdivisions, three trains of characteristics are to be used for the subdivision of Engineering, *viz.*, Work or 'W', Part or 'P' and Engineering or 'E'.

D01 The three trains of characteristics forming the basis of classification of Engineering are to be taken in the order 'W', 'P', 'E'.

D02 The Numbers corresponding to these trains of characteristics may be termed the Work Number, the Part Number and the Engineering Number respectively.

D03 The symbols and the appropriate divisions on the basis of each of these trains of characteristics are given in Schedule D of Part II.

D1 The traditional divisions of engineering are Civil Engineering and Mechanical Engineering. But the term Civil Engineering is too vague. Divisions 1, 2 and 4 on the basis of the Work characteristic will come in the category of Civil Engineering. Mining Engineering and Municipal and Sanitary Engineering are additional divisions which it has been found convenient to introduce.

D2 The divisions based on the train of Part characteristics would naturally depend upon the Work Number and would be different for different types of work. Hence the Part Divisions for certain Work Numbers only have been given in the Schedule by way of illustration. For the other Work Divisions the parts are to be worked out in an analogous manner.

The divisions on the basis of the train of Part characteristic become very specialised in each branch of Mechanical Engineering. In a specialised Engineering library it would be necessary to work out the parts for each one of the Work Numbers given as subdivisions of Mechanical Engineering. But it may not be necessary in a general library. Lionel S. Mark's *Mechanical engineers' handbook* may be of much use in working out such details.

D315 The division '15 Hydraulics' on the basis of the train of Engineering characteristic is to hold books dealing with general hydraulics, topics such as flow of water, etc. Books dealing with irrigation are to be put in the Work Division '2' and those that deal with hydro-electric topics are to be put in the Work Division '66'.

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D60 In the case of the Work Division '6' and its subdivisions, a further train of characteristics may be used in addition to those of the 'P' and 'E' characteristics. The additional train of characteristics may be termed Secondary Work or 'S'.

D601 The train of 'S' characteristics is to come between the train of 'W' characteristics and that of 'P' characteristics.

D602 The Number corresponding to this train of characteristics may be termed the Secondary Work Number.

D603 The symbols and the appropriate divisions on the basis of this train of characteristic are given in Schedule D of Part II.

D61 The division '1' Generation' may have to be further subdivided but the subdivisions are likely to depend upon and vary with the Work Number to which the Secondary Work Number is attached. The subdivisions in the case of Electrical Engineering are given in the Schedule by way of illustration. For the other cases, the subdivisions are to be worked out in a similar manner.

D8e The way in which the Common Subdivision Digit 'e' is to be subdivided when applied to the Work Number '66' is indicated in Schedule D of Part II, as there are likely to be monographs on particular electrical instruments.

D8v The Common Subdivision Digits *u* and *v* are to be used on the analogy of their use in T Education. *Vide* rules T8u and T8v.

## E CHEMISTRY

E0 Two trains of characteristics are to be used for the subdivision of Chemistry, *viz.*, Problem or 'P' and Substance or 'S'.

E01 The two trains of characteristics forming the basis of classification of Chemistry are to be taken in the order 'P', 'S'.

E02 The Number corresponding to these trains of characteristics may be termed the Problem Number and the Substance Number respectively.

E03 The symbols and the appropriate divisions on the basis of each of these trains of characteristics are given in Schedule E of Part II.

E17 The Problem Class '7 Biochemistry' may be subdivided on the basis of the train of Problem characteristics as the Subject Division 'E Chemistry' itself is divided.

E21 The Substance Division '1' is to accommodate books on the chemistry of specific elements. The classification of Elements has been based on the Periodic Table. In fact, the second digit in the numbers of the subdivisions of the Substance Division represents the group to which the element belongs and the third digit ordinarily represents its period. It may be recollected that the vertical and horizontal rulings in the Periodic Table give rise to 90 cells.

Each cell ordinarily accommodates one element. When there are two elements in a cell the number corresponding to the cell is assigned to one of the two elements and for the other this number is amplified by the digit '9'. In three cells of group 8, however, there are three elements. In these cases the third element has been, for convenience, assigned to the next later period, which happens to be vacant in all the three cases.

The reason for assigning the digit '9' for the second element, if any, in a cell and for transferring the third element to the next cell will become clear in the remarks under Rule E2203.

Ammonia has been treated as an Element for purposes of classification.

E211 The group of digits following the initial digit '1' may be termed the Element Number.

## CHEMISTRY

Thus every element has an Element Number consisting of either two digits or three digits. It may be repeated that if the Element Number runs to three digits, the third digit will be '9'.

E219 The Substance Division '19' is introduced to accommodate special groupings of Elements which are common.

E220 If a book deals primarily with the hydroxyls or basic oxides of an element, its Substance Number is to consist of the digit '2' followed successively by the number of the constituent element, *i.e.*, the element whose hydroxyl or basic oxide forms the primary subject-matter of the book and the Valency Number, *i.e.*, the Arabic numeral representing the valency of the element in the oxide.

E2201 The amphoteric oxides are to be traced as basic oxides in constructing their Substance Number.

E2202 The Element Number followed by the Valency Number may be termed the Full Element Number.

E2203 If there be more than one basic oxide with a given valency for the element, the number got by Rule E220 is to be used for one of them and the numbers 1, 2, etc., are to be added to the number got by Rule E220 in the case of the second, third, etc., respectively of the basic oxides. If the number thus added is in more than one digit, it is to be read as an integer and not as a decimal.

It is known that the valency of no element is higher than 8. Hence, the Valency Number amplifying an Element Number will always be a number not exceeding 8. It is on account of this fact that the digit '9' was used to represent the second element, if any, in a cell, with a view to avoid a colon between the Element Number and the Valency Number.

E229 The Substance Number '29' is used, as is indicated in Schedule E of Part II, for binaries other than water which are neither hydroxyls nor acids nor salts. Water is regarded as the hydroxyl of hydrogen in the construction of its Substance Number.

E2290 If a book deals primarily with a binary, its Substance Number is to consist of the number '29' followed by the Full Element Number of the first constituent element and then by that of the second constituent element.

E22901 If there be more than one binary with the same two Full Element Numbers, the number got by Rule E2290 is

## CHEMISTRY

to be used for one of them and the numbers 1, 2, etc., are to be added to the number got by Rule E2290 in the case of the second, third, etc., respectively of the binaries. If the number thus added is in more than one digit, it is to be read as an integer and not as a decimal.

E230 If a book deals with an acid or acidic oxide of an element, its Substance Number is to consist of the digit '3' followed by the Full Element Number of the constituent element, *i.e.*, the element whose acid or acidic oxide forms the primary subject-matter of the book.

E2301 Neutral oxides are to be treated as acidic oxides in constructing their Substance Number.

E231 If there be more than one acid or acidic oxide with a given Full Element Number, they are to be dealt with in a manner analogous to that given in Rule E2203.

E240 If a book deals primarily with a salt, its Substance Number is to consist of the digit '4' followed by the Full Element Number of the constituent basic element and then by that of the constituent acidic element.

E241 If there be more than one salt with the same two Full Element Numbers, they are to be dealt with in a manner analogous to that given in Rule E2203.

E242 In the case of a double salt the Substance Number is to consist of the digit '4' followed by the Full Element Number of the first basic element and then that of the second basic element and then that of the acidic element.

E2421 If there be more than one double salt with the same Full Element Numbers, they are to be dealt with in a manner analogous to that given in Rule E2203.

E28 Division '8' may be subdivided on the basis of the number of carbon atoms displaced and the elements displacing them.

E291 The Substance Divisions given in Schedule E of Part II may be augmented by the Subject Device.

E292 In the case of analytical chemistry, the Substance Number may be amplified by the Bias Number Device, using for the Bias Number, the number of the substance whose presence in the original Substance is being investigated by analysis.

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E30 In the case of the Substance Divisions 5, 6, 7 and 8 and their subdivisions, a third train of characteristic may be used as the basis of their further classification, namely, Combination or 'C'.

E301 The number corresponding to this train of characteristic may be termed the Combination Number.

E302 The symbols and the appropriate divisions based on this train of characteristic are given in Schedule E of Part II.

E38 The Combination Number '8' may be amplified by the Full Element Number of the constituent element or elements, as the case may be.



## F TECHNOLOGY

F0 Two trains of characteristics are to be used for the subdivision of Technology, *viz.*, Substance or 'S' and Problem and Process or 'P'.

The term Technology is taken to include metallurgy as well as chemical technology.

F01 The two trains of characteristics forming the basis of classification of Technology are to be taken in the order 'S', 'P'.

F02 The Number corresponding to these trains of characteristics may be termed the Substance Number and the Problem Number or the Process Number, as the case may be, respectively.

F1 The Substance Number is to be constructed as for the Subject Division 'E Chemistry'. The additional divisions required are given in Schedule F of Part II.

F11 If there be more than one industrial form for any substance, the different forms are to be indicated by the Favoured Category Device.

Here are some examples worked out for the substance Iron:—

82	Iron	823	Steel
821	Cast iron or Pig iron	824	Steel alloys
822	Wrought iron		

F2 The divisions on the basis of the Process characteristic will depend upon the substance. As far as possible, the Chronological Device is to be used in constructing the Process Number. The Chronological Number is to be worked out to three digits and the year of the discovery of the process is to be used as the epoch. The Chronological Number constructed by this Rule may be termed the Process Number.

F21 Each Process Number may have to be further subdivided according to the nature of its technique.

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No attempt has been made in this edition to give illustrative schedules of the processes for the techniques of different substances and their subdivisions.

F22 In the case of a book not dealing with a particular substance or with a particular process corresponding to the substance represented by the Substance Number but giving an account of some aspects of the problems of Technology in general, the second digit in the subdivisions of the Problem Division '8 Manipulation' of the Main Class 'E Chemistry' may be used to represent the corresponding aspects of the problem and this digit may take the place of the Process Number.

Since the Problem Numbers will begin with Arabic numerals and the Process Numbers will begin with capital letters, there will be no ambiguity whatever in arranging them.

## G Natural Science (General) and Biology

G0 Three trains of characteristics are to be used for the subdivision of Natural Science (General) and Biology, *viz.*, Organ or 'O', Problem or 'P' and a third. The third characteristic will be different for the different classes based on the train of 'P' characteristic.

G01 The three trains of characteristics forming the basis of classification of Natural Science (General) and Biology are to be taken in the order 'O', 'P' and the third characteristic.

G02 The number corresponding to the first two trains of characteristics may be termed the Organ Number and the Problem Number.

The name of the Number corresponding to the third train of characteristics will be given in appropriate places.

G03 The symbols and the appropriate divisions on the basis of each of the trains of characteristics are given in Schedule G of Part II.

G1 A general account of life as a biological phenomenon is to be given the Organ Number '1'.

G233 The third train of characteristics to be used when the Problem Division is '33 Metabolism' or 341 or 345 or 346 or any of their subdivisions is Substance or 'S'. The number corresponding to it may be termed Substance Number and it is to be constructed as in 'E Chemistry' and 'F Technology'.

G25 The third train of characteristics to be used when the Problem Division is '5 Ecology' or any of its subdivisions is Geographical or 'G'. It may be termed Geographical Number and it is to be constructed as in the Geographical Schedule of Part II.

G259 The need for Auto-Bias Device will arise in fixing the Geographical Number for ecological books. If so the physiographic class concerned is to be used as the Basic Class and the continent, country, etc., as the case may be, as the Bias Class.

## H GEOLOGY

H The chief divisions of Geology and their subdivisions are given in Schedule H of Part II.

Geology is one of the few subjects in which the rules for subdivision cannot be begun with the enumeration of some characteristics to be used as the basis of their classification. On the other hand we have to divide Geology, in the first instance, on canonical lines. Some of these canonical divisions admit of further subdivision on the basis of certain characteristics.

### H1 Mineralogy

H10 Two trains of characteristics are to be used for the subdivision of Mineralogy, *viz.*, Substance or 'S' and Problem or 'P'.

H101 The two trains of characteristics forming the basis of classification of Mineralogy are to be taken in the order 'S', 'P'.

H102 The Numbers corresponding to these trains of characteristics may be termed the 'Substance Number' and the 'Problem Number' respectively.

H103 The symbols and the appropriate divisions on the basis of each of these trains of characteristics are given in Schedule H of Part II.

H11 The Substance Number is to be worked out as the Substance Number in the Subject Division 'E Chemistry', except that amplification by the Valency Number may not be necessary.

H111 If there be more than one mineral with the same chemical composition but differentiated from one another either isomerically or by the presence of impurities, they are to be dealt with by the Favoured Category Device.

"DANA (Edward Salisbury) *A system of mineralogy*" will be of help in constructing the Substance Number in Mineralogy.

H119 The Substance Division '9 Precious Stones' has been specially formed since precious stones form an important class of substance in

## GEOLOGY

Geology. If they be given the Substance Number according to the Rule H11, the books on the different precious stones will be scattered. Hence it is suggested that all books on precious stones may be brought under the class H19 and its subdivisions.

### H2 Petrology

H20 Two trains of characteristics are to be used for the subdivision of Petrology, *viz.*, Substance or 'S' and Problem or 'P'.

H201 The two trains of characteristics forming the basis of classification of Petrology are to be taken in the order 'S', 'P'.

H202 The Numbers corresponding to these trains of characteristics may be termed the 'Substance Number' and the 'Problem Number' respectively.

H203 The symbols and the appropriate divisions on the basis of each of these trains of characteristics are given in Schedule H of Part II.

H22 As has been stated in the Schedule, the divisions of 'H2 Petrology' based on the train of Problem characteristics are the same as those for 'H1 Mineralogy'.

### H6 Palaeontology

H6 The canonical class 'Palaeontology' is to be used only for Palaeo-zoology. Books on Palaeo-botany are accommodated in the Main Class 'I Botany'. The Palaeontology Number 'H6' is to be amplified by the 'Animal Number' of Zoology.

H68u In the case of descriptive Palaeontology and Palaeontological surveys, whenever warranted the amplifying Chronological Number is to be the number for the appropriate stratigraphical age, given as subdivisions of 'H5 Stratigraphy' and not one taken from the Chronological Schedule.

### H7 Economic Geology

H7 The class 'H7 Economic Geology' is to accommodate books on ore deposits, underground water, and non-metallic and organic deposits. It may be stated that an ore is defined as "the natural mineral containing a precious or useful metal in such quantities and such chemical composition as to make its extraction profitable". Thus the denotation of the term 'ore deposit' is likely to vary from time to time. However, from the point of view of the user, on account of the great economic importance of ore deposits, it is recommended that they may be grouped together in the division 'H7'.

## GEOLOGY

H70 Two trains of characteristics are to be used for the subdivision of Economic Geology, *viz.*, Substance or 'S' and Problem or 'P'.

H701 The two trains of characteristics forming the basis of classification of Economic Geology are to be taken in the order 'S', 'P'.

H702 The Numbers corresponding to these trains of characteristics may be termed the 'Substance Number' and the 'Problem Number' respectively.

H71 The 'Substance Number' is to be worked out as the 'Substance Number' in the Subject Division 'E Chemistry', except that amplification by Valency Number may not be necessary.

H711 If there be more than one mineral with the same chemical composition but differentiated from one another either isomerically or by the presence of impurities, they are to be dealt with by the Favoured Category Device.

The substance which forms the essential constituent of the ore, *i.e.*, the substance whose presence makes the ore economically valuable is to be used in constructing the 'Substance Number'.

H72 The classes of 'H7 Economic Geology' based on the train of Problem characteristic are the same as those for 'H1 Mineralogy'.

### H8 Cosmic Hypotheses

H8 Specific hypotheses are to be individualised by the Chronological Device. The Chronological Number is to be worked out to three digits, the date of the first publication of an authentic exposition of the hypothesis being used as the epoch.



## I BOTANY

10 Three trains of characteristics are to be used for the subdivision of Botany, *viz.*, Natural group of Plants or 'N', Problem or 'P' and Organ or 'O'.

101 The three trains of characteristics forming the basis of classification of Botany, shall be taken in the order 'N', 'P', 'O'.

102 The Number corresponding to these trains of characteristics may be termed the Plant Number, the Problem Number and the Organ Number respectively.

103 The symbols and the appropriate divisions on the basis of each of these characteristics are given in Schedule I of Part II.

11 It will be noticed that the Divisions '2 Thallophyta,' '3 Bryophyta,' and '4 Pteridophyta' based on the N characteristic are subdivisions of Division '1 Cryptogamia.' Similarly, the Division '6 Gymnosperms,' '7 Monocotyledons,' and '8 Dicotyledons' are only subdivisions of Class '5 Phanerogamia.'

121 In case the Problem Number used is '12' or '18', the third train of characteristics to be used will be the Geographical and not the Organ. The geographical area which forms the subject-matter of the book is to be used to construct the Geographical Number.

125 In case the Problem Division used is '5 Ecology' or any of its subdivisions, the Geographical characteristic may have to be used as the third train of characteristics as in Rules G25 and G259. The Organ may be used as the fourth train of characteristics.

128u In the case of descriptive palæobotany and palæobotanical surveys, the Chronological Number is to be constructed as in Rule H68u.

## J AGRICULTURE

J0 Four trains of characteristics are to be used for the subdivision of Agriculture, *viz.*, Utility or 'U', Part or 'P', Crop or 'C', Farming or 'F'.

J01 The four trains of characteristics forming the basis of classification of Agriculture are to be taken in the order 'U', 'P', 'C', 'F'.

J02 The Number corresponding to these trains of characteristics may be termed the Utility Number, the Part Number, the Crop Number and the Farming Number, respectively.

J03 The symbols and the appropriate divisions on the basis of each of these trains of characteristics are given in Schedule J of Part II.

J04 A colon need not be put after the Utility Number and the Part Number.

Utility Numbers and Part Numbers will always consist of a single digit. Hence no ambiguity is likely to arise by not inserting the colons.

J1 The utility Number is devised so as to give a favoured treatment to certain crops. It is true that a crop may be utilised for several purposes. But it is the primary purpose that should decide the Utility Number of a given crop. To take an example, in the case of paddy, the rice is used as human food. The straw is used as animal food and as roofing material. Perhaps, it may also be used for some textile purposes. But it will be easily conceded that the primary use of paddy is as human food.

J2 If more than one part of a substance are likely to be put to the primary use made of it, that part which is more commonly used is to be used to construct the Part Number.

J3 The Crop Number is to be constructed, in the first instance, by the Favoured Category Device.

J31 For the crops that are not covered by the Favoured Category Device, the Crop Number is to be constructed by the Alphabetic Device.

J32 For convenience the number made up of the Utility Number, the Part Number and the Crop Number may be termed the Full Crop Number.

## AGRICULTURE

An illustrative list of Full Crop Numbers is given in Schedule J of Part II for ready reference.

J40 In the case of most of the Farming Divisions two trains of characteristics are used for further subdivision.

J401 The symbols and the appropriate divisions based on each of these trains of characteristics are given under the respective Farming Class in Schedule J of Part II.

J402 The number corresponding to the first train of characteristics is to be placed immediately after the Farming Digit without a colon intervening.

J403 A colon is to separate the numbers corresponding to the two characteristics.

J41 The two trains of characteristics forming the basis of classification of the Farming Division '1 Soil' are Nature or 'N' and Operation or 'O'. The two trains of characteristics are to be taken in the order 'N', 'O'. The Number corresponding to these trains of characteristics may be termed the Nature Number and the Operation Number respectively.

J42 The two trains of characteristics forming the basis of classification of the Farming Division '2 Manure' are Substance or 'S' and Operation or 'O'. The two trains of characteristics are to be taken in the order 'S', 'O'. The Number corresponding to these trains of characteristics may be termed the Substance Number and the Operation Number respectively.

J43 The two trains of characteristics forming the basis of classification of the Farming Division '3 Propagation Methods' are Substance or 'S' and Operation or 'O'. The two trains of characteristics are to be taken in the order 'S', 'O'. The Number corresponding to these trains of characteristics may be termed the Substance Number and the Operation Number respectively.

J44 The two trains of characteristics forming the basis of classification of the Farming Division '4 Control of diseases and injuries' are Diseases or 'D' and Operation or 'O'. The two trains of characteristics are to be taken in the order 'D', 'O'. The Number corresponding to these trains of characteristics may be termed the Disease Number and the Operation Number respectively.

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J45 In the case of the Farming Division '5 Crop Development' only one train of characteristics is used as the basis of classification.

J47 The two trains of characteristics forming the basis of classification of the Farming Division '7 Harvesting' are Material or 'M' and Operation or 'O'. The two trains of characteristics are to be taken in the order 'M', 'O'. The Number corresponding to these trains of characteristics may be termed the Material Number and the Operation Number respectively.

J471 The Material Number is ordinarily the number of the Part of the plant which is the dominant part in the Material. If two or more materials call for the same part number, the most widely used material is to have the bare part number and for the 2nd, 3rd, etc., materials the part number is to be amplified by the addition of the digits 1, 2, etc., respectively. If the amplifying number is in two or more digits, it is to be read as an integer and not as a decimal.

JA The Division JA is to represent Forestry.

JA0 The trains of characteristics to be used for JA Forestry are the same as those for the Main Subject J Agriculture with the exception that in the place of the first three trains of characteristics a single train of characteristic, *viz.* Tree or T is to be used. Thus, the Full Crop Number will be replaced by the Tree Number.

JA1 The Tree Number is to be got by the Alphabetic Device, using the commonly accepted English name of the tree.

JA10 Some Illustrative Tree Numbers are given in Schedule J of Part II.

## K ZOOLOGY

K0 Three trains of characteristics are to be used for the subdivision of Zoology, *viz.*, Natural group of Animals or 'N', Problem or 'P' and Organ or 'O'.

K01 The three trains of characteristics, forming the basis of classification of Zoology, are to be taken in the order 'N', 'P', 'O'.

K02 The Number corresponding to these trains of characteristics may be termed the Animal Number, the Problem Number and the Organ Number respectively.

K03 The symbols and the appropriate divisions on the basis of each of these trains of characteristics are given in Schedule K of Part II.

K1 It will be noticed that the Divisions '2' to '8' based on the train of 'N' characteristic are subdivisions of the Division '1 Invertebrates.'

K12 In Schedule K of Part II the divisions based on the train of 'N' characteristics are worked out only up to the sub-order stage. This subdivision may be carried still further up to the Family Stage, whenever necessary in an analogous manner. The tables given at the beginning of the volumes of *Cambridge natural history* may be used in constructing the Family Numbers.

K21 In case the Problem Number used is '12' or '18', the third train of characteristics to be used will be the Geographical and not the Organ. The geographical area which forms the subject-matter of the book is to be used to construct the Geographical Number.

K25 In case the Problem Division used is '5 Ecology' or any of its subdivisions, the Geographical characteristic may have to be used as the third train of characteristic, as in Rules G25 and G259. The Organ may be used as the basis of the fourth train of characteristic.

## L MEDICINE

L0 Three trains of characteristics are to be used for the subdivision of Medicine, *viz.*, Organ or 'O', Problem or 'P' and a third. The third train of characteristic will be different for the different classes based on the train of 'P' characteristic.

L01 The three trains of characteristics forming the basis of classification of Medicine are to be taken in the order 'O', 'P' and the third characteristic.

L02 The Numbers corresponding to the first two trains of characteristics may be termed the Organ Number and the Problem Number.

The name of the Number corresponding to the third characteristic will be given later in appropriate places.

L03 The symbols and the appropriate divisions on the basis of each of the trains of the characteristics are given in Schedule L of Part II.

L111 If a book deals with the special properties of the Cells or Tissues of a particular organ, the Number for 'Cells' or 'Tissues', as the case may be, may be amplified by the Auto-bias Device, the appropriate Organ Number being used as the Bias Number.

L113 The third to the eighth subdivisions of the Organ Number '1' are devoted to the regional divisions of the human body, whereas the Organ Numbers '2' to '8' are devoted to the functional divisions.

L1131 The parts of the functional organs within a regional organ may be indicated by amplifying the Regional Organ Number by the Auto-bias Device, the appropriate Functional Organ Number being used as the Bias Number.

For example, the bones of the thorax will have the Number L15—81. The arteries of the arm will have the number L16—337. Again the pigment of the face will have the number L181—875.

L12 In the case of the Organ Numbers '2' to '8', the Schedule gives certain subdivisions. Wherever further subdivision is required, the following convention may be adopted:—



## MEDICINE

The first division may represent the walls or the coats. It may be further subdivided layer by layer, commencing from the outermost layer and ending with the innermost layer. The second subdivision may be used for the parts. The third subdivision may be used for the supports. The fifth subdivision may be used for the characteristic contents. The sixth subdivision may be used for the glands. The various glands may be indicated by 61, 62, 63, etc. The Gland Number amplified by the digit '5' may be taken to represent the secretion of the gland. If, however, the secretion studied is not of a single gland but of glands in general, its number is to be 605. The seventh subdivision may be used for the ducts leading from the organ. The eighth subdivision may be used for the orifices and the valves.

L13 In Schedule L of Part II, some of the subdivisions of the Organ Numbers '3', '6', '7' and '8' are followed by the remark '*to be divided locally*'. In such cases, the concerned Functional Organ Number is to be amplified by the Auto-bias Device, the Number of the organ served or forming the region of location of the functional organ in question being used as the Bias Number.

L23 The class obtained by applying the Problem Division '3 Physiology' to the Organ Division '55 Female genital organs' is of importance and has a vast literature. The class goes by the name of 'Obstetrics.' Hence special subdivisions of the Problem Number '3' have been given in Schedule L of Part II to be used in Obstetrics. It may also be remarked that the class obtained by applying the Problem Division '4 Diseases' to the Organ Division '55 Female organs' has the special name 'Gynaecology.'

L24 An illustrative list of specific diseases with their class numbers is given at the end of the subdivisions of the Problem Division '4 Diseases'. It can be seen from the list that the Class Number of any disease has, for its organ part, the Number of the organ which is the seat of primary affection or the focus of infection. The Class Numbers for other diseases are to be constructed along similar lines.

L241 "STEADMAN (Thomas Lathrop): *Practical medical dictionary*" and "OSLER (William): *System of medicine*" will be of use in constructing the class numbers for diseases.

L28 When the Problem Division is '8 Physical Fitness', (1) the first train of characteristics may be left unused, (2) the profession or occupation of the person examined may be taken as the third train of characteristics and numbered by the Subject Device and (3) the Organ examined may be taken as the fourth train of characteristics.

L340 The third train of characteristics to be used, when the Problem Class is '4 Diseases' or any of its subdivisions may be termed Handling or 'H'.

## MEDICINE

L3402 The Number corresponding to the train of 'H' characteristics may be termed the Handling Number.

L3403 The symbols and the appropriate divisions on the basis of the train of Handling characteristics are given in Schedule L of Part II.

It can be seen that the subdivisions of '62 Physiotherapy' are analogous to the subdivisions of the Main Class 'C Physics'. Similarly, '63 Pharmacotherapy' may be subdivided on the analogy of the divisions of the Main Class 'E Chemistry' based on the Substance characteristic.

L3522 The third train of characteristics to be used when the Problem Division is '522 State Control of Animals' is Animal or 'A'. The number corresponding to it may be termed Animal Number and it is to be constructed as in 'MK Veterinary Science'.

L3523 The third train of characteristics to be used when the Problem Division is '523 State Control of Food', '524 State Control of Poisons', '526 State Control of Medicine', and '573 Food' and its subdivisions is Substance or 'S'. The number corresponding to it may be termed Substance Number and it is to be constructed as in 'E Chemistry and 'F Technology'.

L3577 The third train of characteristics to be used when the Problem Division is '577 Clothing' is Material or 'M'. The number corresponding to it may be termed Material Number and it is to be constructed as in 'M7 Textiles'.

L36 The third train of characteristics to be used when the Problem Division is '6 Pharmacognosy' or any of its subdivisions is Substance or 'S'. The number corresponding to it may be termed Substance Number and it is to be constructed as in 'E Chemistry' and 'F Technology'.

L9 The number 'L9' is set apart for books that deal with special groups of persons, as can be seen from the subdivisions of 'L9' given in Schedule L of Part II. To make this possible, the number of divisions based on the train of Organ characteristic has been restricted to eight. As a result of this adjustment, all the books dealing with Medicine in general will have precedence over the books that specialise in special groups such as 'Children', 'Old people', and 'Inhabitants of tropics'.

L99 If a book relates to a special school of Medicine, the Subject Digit 'L' is to be amplified by the Chronological

## MEDICINE

Device, before the Divisions based on the trains of 'O', 'P' and the third characteristic, if any, are applied to it. The Chronological Number is to be worked out to one digit only, the century of origin of the School being used as the epoch.

In Schedule L of Part II, 'LA' has been set apart for the Ayurvedic system, 'LB' for the Siddha system, and 'LC' for the Unani system—the three ancient systems current in India. The actual date of origin of these systems is not known. Hence, they have been taken arbitrarily in the order given. Any other systems that may be current elsewhere may also be fixed by the Chronological Device.

L998 An illustrative list of Classical works belonging to the Ayurvedic system is given at the end of Schedule L of Part II, with their Class Numbers worked out by the Classic Device.

## M USEFUL ARTS

M0 The Main Class 'M Useful Arts' is a miscellaneous class. Indeed it may be called a hold-all division. It is intended to accommodate all the arts and crafts, in fact, all the sciences and their applications which are not provided for in the Main Classes 'B' to 'L'.

M01 From these remarks it will be obvious that the division of 'M' can only be canonical. The first nine of its divisions have been obtained by the Favoured Category Device. All the other divisions are to be obtained by the Subject Device. It must be stated, however, that the Subject Numbers used in the Subject Device are slightly modified in certain cases. The modification is introduced to minimise the number of digits, care being taken that no ambiguity is likely to arise by such modifications. Several illustrative divisions by the Subject Device are given in Schedule 'M' of Part II. Further divisions may be formed along similar lines.

M02 Each of these divisions will admit of subdivision on the basis of one or more definite trains of characteristics. By way of illustration the rules and schedules for 'M7 Textiles' and 'MK Veterinary Science' are given. In the case of the other subjects, similar rules and schedules are to be constructed. The number of subjects is infinite. Further, it is only in recent years that any appreciable literature has begun to grow in these subjects.

### M7 Textiles

M70 Two trains of characteristics are to be used for the subdivision of Textiles, *viz.*, Material or 'M' and Problem or 'P'.

M701 The two trains of characteristics forming the basis of classification of Textiles are to be taken in the order 'M', 'P'.

M702 The Numbers corresponding to these trains of characteristics may be termed the Material Number and the Problem Number respectively.

M703 The symbols and the appropriate divisions on the basis of each of these trains of characteristics are given in Schedule M of Part II.

### MK Veterinary Science

The rules for the division of 'MK Veterinary Science' are similar to those for 'J Agriculture'. A few essential rules are given here. The others are to be adapted from the rules in Chapter J Agriculture.

## USEFUL ARTS

MK0 Four trains of characteristics are to be used for the subdivision of Veterinary Science, *viz.*, Utility or 'U', Part or 'P', Animal or 'A' and Veterinary or 'V'.

MK01 The four trains of characteristics forming the basis of classification of Veterinary Science are to be taken in the order 'U', 'P', 'A', 'V'.

MK02 The Number corresponding to these trains of characteristics may be termed the Utility Number, the Part Number, the Animal Number and the Veterinary Number respectively.

MK03 The symbols and the appropriate divisions on the basis of each of these trains of characteristics are given in Schedule M of Part II.

MK1 When the same animal (*e.g.* sheep) is shown in two or more utility divisions, a library may choose the division that is warranted by its collection and ignore the others.

MK40 In the case of most of the Veterinary classes, two trains of characteristics are to be used for further subdivision.

MK401 The symbols and the appropriate divisions based on each of these trains of characteristics are given under the respective Veterinary Divisions in Schedule M of Part II.

MK402 The number corresponding to the first train of characteristics is to be placed immediately after the Veterinary Digit without a colon intervening.

MK403 A colon is to separate the numbers corresponding to the two trains of characteristics.

MK41 The two trains of characteristics forming the basis of classification of the Veterinary Class '1 Feeding' are Substance or 'S' and Operation or 'O'. The two trains of characteristics are to be taken in the order 'S', 'O'. The Number corresponding to these trains of characteristics may be termed the Substance Number and Operation Number respectively.

MK42 In the case of the Veterinary Divisions, '2 Morphology' and '3 Physiology' only one train of characteristics *viz.* Organ or 'O' is to be used.

## USEFUL ARTS

MK421 The classes based on the train of Organ characteristics are the same as in the Main Class 'L Medicine'.

MK423 In the case of Obstetrics, a further train of characteristics, *viz.*, Secondary Problem or P is to be used. The divisions based on this train are the same as in the Main Class L Medicine with the exception that the initial digit '3' of their numbers is to be omitted.

MK44 The three trains of characteristics forming the basis of classification of the Veterinary Division '4 Diseases' are Organ or 'O', Disease or 'D' and Handling or 'H'. The three trains of characteristics are to be taken in the order 'O', 'D', 'H'. The Number corresponding to these trains of characteristics may be termed the Organ Number, Disease Number and Handling Number respectively.

MK441 The divisions based on these three trains of characteristics are the same as in the Main Class 'L Medicine', with the exception that the initial digit '4' of the Disease Numbers is to be omitted.

MK45 The trains of characteristics forming the basis of Veterinary Divisions '5 Hygiene' and '6 Pharmacognosy' are the same as those for the corresponding Problem Divisions of the Main Class 'L Medicine'.

MK47 The trains of characteristics forming the basis of classification of the Veterinary Division '7 Materials' are the same as those for the Farming Division '7 Materials' of the Main Class 'J Agriculture'. The classes based on these trains are also similar.



## △ SPIRITUAL EXPERIENCE AND MYSTICISM

As the Main Class '△ Spiritual Experience and Mysticism' occurs here for the first time in any printed scheme of classification, its connotation may first be indicated.

It is possible for any class of knowledge to be presented from an occult or mystical point of view.

To call such an exposition 'irrational' may violate the Canon of Reticence, for the terms 'rational' and 'irrational' refer to the plane of intellection whereas mystic, occult and spiritual experiences do not belong to the sphere of intellectual apprehension at all but are said to involve some kind of direct (trans-intellectual) insight.

Little, no doubt, is generally known about the nature or modes of such mystical apprehension; and its validity and even existence are often questioned. But it is not for the classifier to take sides in a controversy. He is simply concerned to separate literature based on sense-experience and intellection from that presuming or using trans-intellectual apprehension. In India such a distinction is traditionally recognised. Exposition based on intellection is called *kartrtantra* (experimental, analytical study of things in their phenomenal modes); and *vastutantra* (global, holistic study of thing-in-itself) is exposition based on illumination.

The Main Class △\* is to hold the latter. All ordinary (non-mystical) expositions are accommodated in the Main Classes A to Z. A mystical, occult or spiritual exposition of any subject—say E Chemistry—is referred to the Main Class △—and individualised as △E. In other words, △ is to be amplified by the Subject Device to accommodate mystical exposition of specific subjects.

### Examples:

Friend's *Monograph on the chemistry of gold* belongs to the Class E1:118.

But Kolisko's *Gold and the sun* is to be classed as △E1:118.

Jones's *Problems of civilisation* (American social science series) treats of civilisation on the ordinary intellectual basis and belongs to the Class Y1:1.

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\* Since the Arabic numerals and the Roman alphabet had already been exhausted a new symbol had to be found for this new Main Class.

The △ of age-long mystical significance naturally suggested itself. Its standing outside the formal series of the other symbols fittingly represents the irresolvable nature of all it stands for.

## △ SPIRITUAL EXPERIENCE AND MYSTICISM

But Ernest Wood's *Seven rays* which expounds the same subject from an occult point of view belongs to the Class  $\Delta Y1:1$ .

The creation of the Main Class  $\Delta$  thus implies the division of the whole library into two parallel sequences to which, however, N Fine Arts, O Literature and Q Religion are common. This overlapping corresponds with facts; for fine arts, literature and religion represent the cross-roads or point of fusion between direct (mystical) and mediated (sensory, intellectual) modes of experience and expression. It is by no means easy to separate the books of these overlapping classes into  $\Delta$  and non- $\Delta$  without infringement of the Canon of Consistency. We shall therefore adopt the following convention.

1. No book that has a claim to be classed as N or O or Q should ever be classed as  $\Delta$ ; and hence

2. Numbers like  $\Delta N$ ,  $\Delta O$ ,  $\Delta Q$  are inadmissible.

Rule 024 has defined the ordinal value of  $\Delta$  as lying between those of M and N. Thus  $\Delta$  stands between the thirteen sciences and their applications (A to M) on the one hand and the thirteen humanities (N to Z) on the other.

The words used by General Smuts to define the position of a new discipline which he calls Personology will with a slight modification apply with equal force to the position assigned to the Main Class  $\Delta$ :

Its province falls within a large debatable territory between science and philosophy, between theory and practice, which has been very little explored and is still *terra incognita* to all intents and purposes. Its difficulties are immense; from that wide and wild No Man's Land between sciences and humanities it rises like some forbidding mountain peak into the heavens; and no daring spirit except the Mystics, the Seers and Rishis has yet ventured to approach it, let alone to scale its dizzy heights. But beyond a doubt it is going to occupy a foremost place in the attention of even the ordinary inquirers in future. And the time may come when the Main Class  $\Delta$  may be the very keystone of the arch, and serve to complete the full growing circle of organised human knowledge. It will then synthesise all sciences and humanities and become the basis of a truer spiritual outlook than we can possibly have in the ignorance and confusions of our present state of knowledge.

That time is not yet; but it may be ventured to hope that the assignment of a proper place to the Main Class  $\Delta$  in the map of knowledge such as has been attempted here will help to direct attention to what is undoubtedly one of the greatest and most potential fields for cultivation.

$\Delta 0$  Three trains of characteristics are to be used for the subdivision of Spiritual Experience and Mysticism, viz., Religion or 'R', Problem or 'P' and Entity or 'E'.

## △ SPIRITUAL EXPERIENCE AND MYSTICISM

△01 The three trains of characteristics forming the basis of classification of Spiritual Experience and Mysticism are to be taken in the order 'R', 'P', 'E'.

△02 The number corresponding to these trains of characteristics may be termed the Religion Number, the Problem Number and the Entity Number respectively.

△03 The symbols and the appropriate classes on the basis of each of these trains of characteristics are given in Schedule △ of Part II.

△1 It may be observed that the classes based on the train of 'R' or Religion characteristics are mnemonic with those of the Main Class 'Q Religion' based on the train of 'R' or Religion characteristics.

While religious distinctions cease to exist after illumination, religious traditions are believed to be a source of stimulus up to illumination. Hence the prescription of the train of Religion characteristics. Perhaps readers also would prefer the resulting grouping of mystic literature on a religious basis.

△2 Most of the classes grouped under the label 'S8 Metapsychology' in the first edition of this book following the prevailing tradition are now placed in the Problem Class '8 Occultism', of △ along with other occult practices like Astrology and Palmistry.

△3 The classes enumerated in the train of 'E' or Entity characteristics are those that figure most in books on mysticism and occultism. As an illustration of the formation of the number for a class which is fairly rich in literature, mention may be made of "△:8:16 Psychical research and spiritualism".

△8 Lives of mystics and realised persons are to be amplified by *y*7 and not *w*. (*Vide* Rule 2w2.).

△9 △ is to be amplified by the Subject Device to accommodate mystical or occult expositions of specific subjects except Fine Arts, Literature and Religion.

*Vide* introduction to this chapter for explanation and examples.

## N FINE ARTS

N0 As the Main Class 'M Useful Arts', the Main Class 'N Fine Arts' also is a big class though not as big as 'M'. It is also first divided on canonical lines. Each of the canonical divisions will admit of subdivision on the basis of one or more definite trains of characteristics.

N01 In the case of most of the canonical divisions, the first train of characteristics to be used is Style or 'S'.

N02 The Number corresponding to this train of characteristics may be termed the Style Number.

N03 The Style Number is to consist of two parts—the Geographical Number and the Chronological Number.

N031 The country or the geographical area where the style was originated is to be used to construct the Geographical Number.

N032 A colon is to be put after the Geographical Number.

N0320 The Chronological Number is to be worked out to one digit only, the approximate century in which the style was originated being used as the epoch.

N0321 A colon need not be put after the Chronological digit.

The *Encyclopaedia Britannica* or any good book on the history of Fine Arts concerned will be of help in constructing the Style Number. In the case of non-descript styles, which are not at all localised, naturally there will be no Style Number and a colon is to be put after the number representing the canonical division. In the case of non-descript styles peculiar to a definite country or geographical area, the Style Number will consist only of the Geographical Number but will not contain the Century digit. In that case the colon after the Geographical Number is however to be retained.

It may be remarked here that as a result of this arrangement and of the fact that the first digit of the number based on the second characteristic is invariably an Arabic numeral, in the case of each Fine Art, the general non-descript styles will come first. In the case of localised styles, with any given Geographical Number, the non-descript styles will come first and the specific styles originated in different periods and times will come in the proper chronological order.

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The divisions on the basis of the further trains of characteristics have been worked out only in the case of certain canonical divisions. They are to be worked out on similar lines in the case of the others.

N04 It has been stated already that non-descript non-localised styles need not be given the Geographical Number. Advantage is taken of this, to utilise the digit '1', which would otherwise represent 'World', for the 'Technique' of the Fine Art. Thus 'N11' will represent the Technique of architecture; 'N21' the Technique of sculpture; 'N51' the Technique of painting; and so on.

N08 $x$  The Common Subdivision Digit  $x$  is to hold illustrations of the Fine Arts concerned.

N08 $x$ 1 The digit  $x$  is to be amplified in the usual way (*Vide* Rule 2 $x$  of Chapter 2 of this Part).

### N1 Architecture

N10 Three trains of characteristics are to be used for the subdivision of Architecture, *viz.*, Style or 'S', Utility or 'U' and Part or 'P'.

N101 The three trains of characteristics forming the basis of classification of Architecture are to be taken in the order 'S', 'U', 'P'.

N102 The Numbers corresponding to these trains of characteristics may be termed the Style Number, the Utility Number and the Part Number respectively.

N103 The symbols and the appropriate divisions on the basis of the two latter trains of characteristics are given in Schedule N of Part II.

N11 Some Style Numbers are also given as illustrations.

N12 The Utility Numbers are first worked out by the Favoured Category Device and the digit '9' is used for other buildings, that is, for those not represented by the Favoured Category Device. This digit is to be divided by the Subject Device.

The number got by the Favoured Category Device represents special classes of buildings and it may be further subdivided in a suitable manner. Such further subdivision has been illustrated in Schedule N of Part II, in the case of the numbers '2', '3' and '4'. The divisions of the number '9' by the Subject Device makes the Schedule of Utility Numbers highly hospitable. Some examples may be given here:—9C6 Physics laboratories; 9T182 Steel factories; 9L014 Hospitals; 9M14 Printing press; 9M7 Textile factories; 9N8 Music halls; 9Q2 Hindu



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temples; 9Q6 Churches; 9Q7 Mosques; 9T Educational buildings; 9T4 University buildings; 9W023 Parliamentary buildings; 9W026 Municipal offices.

### N2 Sculpture

N20 Three trains of characteristics are to be used for the subdivision of Sculpture, *viz.*, Style or 'S', Material or 'M' and Figure or 'F'.

N201 The three trains of characteristics forming the basis of classification of Sculpture are to be taken in the order 'S', 'M', 'F'.

N202 The Numbers corresponding to these trains of characteristics may be termed the Style Number, the Material Number and the Figure Number respectively.

N203 The symbols and the appropriate divisions on the basis of each of the two latter trains of characteristics are given in Schedule N of Part II.

### N3 Engraving

The Schedule gives only the canonical divisions of 'Engraving'. Each of these divisions may be subdivided on the basis of one or more definite characteristics.

### N5 Painting

N50 Three trains of characteristics are to be used for the subdivision of Painting, *viz.*, Style or 'S', Material of Surface or 'M' and Figure or 'F'.

N501 The three trains of characteristics forming the basis of classification of Painting are to be taken in the order 'S', 'M', 'F'.

N502 The Numbers corresponding to these trains of characteristics may be termed the Style Number, the Material of Surface Number and the Figure Number respectively.

N503 The symbols and the appropriate divisions on the basis of each of the two latter trains of characteristics are given in Schedule N of Part II.

### N8 Music

N80 Three trains of characteristics are to be used for the subdivision of Music, *viz.*, Style or 'S', Instrument or 'I' and Music or 'M'.



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N801 The three trains of characteristics forming the basis of classification of Music are to be taken in the order 'S', 'I', 'M'.

N802 The Numbers corresponding to these trains of characteristics may be termed the Style Number, the Instrument Number and the Music Number respectively.

N803 The symbols and the appropriate divisions on the basis of each of the two latter trains of characteristics are given in Schedule N of Part II.

## P LINGUISTICS

P0 Four trains of characteristics are to be used for the subdivision of Linguistics, *viz.*, Language or 'L', Stage or 'S', Problem or 'P' and Element or 'E'.

P01 The four trains of characteristics forming the basis of classification of Linguistics are to be taken in the order 'L', 'S', 'P' 'E'.

P02 The Number corresponding to these trains of characteristics may be termed the Language Number, the Stage Number, the Problem Number and the Element Number respectively.

P03 The symbols and the appropriate divisions of the Language Number are given in Schedule 4 of Part II. The symbols and divisions based on each of the other trains of characteristics are given in Schedule P of Part II.

P10 If a book treats of a variant of the language such as a dialect or a slang or a jargon, the Language Number is to be amplified by the addition of the appropriate Number taken from the list of Variants given in Schedule P of Part II.

P100 If, however, the variant treated of belongs more appropriately to a specific stage of the language, the number corresponding to the variant may be put after the Stage Number.

P101 If the book treats of a specific dialect peculiar to a definite geographical division, the Dialect Number may be further amplified by the addition of the Geographical Number appropriate to the area in which it is current.

P105 After the Jargon Number, put successively the Geographical Number and Century Number (if necessary) corresponding to the place and period of the jargon.

P20 The Stage of the language which forms the subject-matter of the book is to be indicated by the Chronological Device. The Chronological Number is to be worked out to

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one digit and the century of the commencement of the Stage is to be used as the epoch.

By way of illustration and for convenience of reference, the Stages of some of the languages are given in Schedule P of Part II.

P20A In the case of Vedic Sanskrit books dealing with the grammar of a single Veda, the stage digit 'A' is to be preceded by a number, the first digit representing the Veda and the later digits, the recension concerned. If a book deals with more than one recension of a Veda the second digit or the Recension digit as it may be called is to be zero. The Veda digit and the Recension digit are to be taken from Schedule Q of Part II.

P21 A colon need not be put after the Stage Number.

Since by rule P20 the Stage Number will always consist of a single digit only, no ambiguity is likely to arise by not inserting the colon.

P24 If the Problem Number is '4' or '5' or a subdivision of '5' and if the Element Number is '3', the Element Number and the colon preceding it may be omitted.

This is to economise in notation. Since most of the dictionaries will have the Problem Number '4' and the Element Number '3' and since dictionaries are books that are frequently used, the idea is that the number in such cases should be made as short as possible. Care has also been taken to see that no ambiguity should arise as a result of this special provision.

It may be asked whether an Element Number other than '3' is, likely to follow the Problem Number '4'. The answer is 'yes'. Take for example, a Dictionary of Phrases, or a Dictionary of Idioms, or a Dictionary of Proverbs. In these cases, the Element Number will be '4', '5' and '6' respectively.

P7 A dictionary of Special Terms used in particular sciences or subjects is to be placed in the sciences or the subjects concerned and its number is to be amplified by the Last Octave Principle. That is, a colon is to be put after the number representing the particular science or subject and thereafter P followed by the number of the language concerned is to be added.

P77 In the case of surnames, the dictionary is to be placed in the generalia class 7.

P7U In the case of place-names, the dictionary is to be placed in the Main Class U.

### P8 Special Notes on Common Subdivisions

P8 In addition to and in slight modification of the common subdivisions given in Schedule 2 of Part II and explained

## LINGUISTICS

in Section 2 of Part I, the following special common subdivision may be used in subdividing the classes in Linguistics:—

z Comparative study; Historical study; or Genetic study.

P8k In the case of ordinary dictionaries giving the meaning of words, phrases, idioms and proverbs, the language part of the Book Number is to represent the language in which the meaning is given or the first of the languages, if the meaning is given in two or more languages.

P8z If the main purpose of a book is that of giving not a descriptive account but a comparative account, its class number is to be worked out to the fullest extent, otherwise appropriate, and must then be amplified by the addition of the digit z.

P8z1 If particularly necessary, the digit z may be further amplified by the chronological device, the epoch used being the latest century or decade up to which the study is brought in the book.

This rule will be particularly applicable in the case of books dealing with the paleography of particular epochs.

### P9 The Devices

P95 An illustrative Classic Device List is given in Schedule P of Part II for Sanskrit, Tamil, Kanarese and Telugu.

## Q RELIGION

Q0 Two trains of characteristics are to be used for the subdivision of Religion, *viz.*, Religion or 'R' and Problem or 'P'.

Q01 The two trains of characteristics forming the basis of classification of Religion are to be taken in the order 'R', 'P'.

Q02 The Numbers corresponding to these trains of characteristics may be termed the Religion Number and the Problem Number respectively.

Q03 The symbols and the appropriate divisions on the basis of each of these trains of characteristics are given in Schedule Q of Part II.

Q101 In any major Religion, the sects that have their own special religious practices and institutions are to be shown as the subdivisions of the major Religion.

For example, the different Vedas and their respective sakhas are shown in Schedule Q of Part II as successive subdivisions of '1 Hinduism (Vedic)'. So also the different Vaishnavite, Saivite, etc, sects, which have specialised sacred books, rituals and organisations, have been shown as subdivisions of '2 Hinduism (Post-Vedic)'. So also in the case of Jainism, Buddhism, Christianity, Muhammadanism, etc. The sects are as far as possible indicated by the Favoured Category Device. The digit '8' is to be used for 'Other sects' and amplified by the Chronological Device as provided in Rule Q18.

Q18 The Religion Division '8 Other religions' is to be subdivided by the Geographical Device, the country in which the Religion originated being used to construct the Geographical Number. If there are more than one 'Other religions' which originated in one and the same country, they are to be individualised by the Favoured Category Device and the additional ones by the Chronological Device, the Chronological Number being worked out to two digits and the year of foundation of the Religion being used as the epoch. The digit '8' is to be used and amplified by the Chronological Device

## RELIGION

(worked out to two digits only) for indicating 'Other sects' of major religions.

The Geographical Number for a country is either of two digits or of three digits if '9' is the second digit. Advantage is taken of this fact in not putting a colon after the Geographical Number.

Q201 "FARQUHAR (J. N.): *Outline of the religious literature of India*" may be usefully consulted in finding out the Sacred Books, the Theological Works, etc., relating to the Religion Divisions '1' to '4' and their subdivisions. But this book gives also the purely philosophical treatises of the Indian Schools of Philosophy. Hence, care must be taken not to bring such philosophical books into the Main Class 'Q Religion'.

Q21 It may be explicitly stated that the *Sthalapuranas* of India are to be accommodated in the Problem Division '38', this number being amplified by the Geographical Device, using the Geographical Number of the locality treated in the book but omitting the initial digit or digits representing the whole of India.

Q211 It should also be remembered that during the last three centuries, many poems, particularly Tamil ones have used *Sthalapuranas* as themes. These should be classed in poetry and not in Religion.

Q22 The Sacred Books of different Religions are likely to fall into different groups. In Schedule Q of Part II, the divisions for some religions are given by way of illustration. The digit '2' is to be subdivided similarly for other Religions. If the Sacred Books do not fall into any such groups, the subdivisions of '2' may be constructed in the same manner as the Work Number in the Main Class 'O Literature'.

Q224 There are said to be innumerable *Tantras* belonging to Saktism and Buddhism. Several of them are now being printed. But there is no authentic or agreed list of them. Hence it may be well to individualise them in the way in which Work Numbers are constructed in the Main Class 'O Literature' assuming that the number of *Tantras* exceeds 64, i.e., working on a three-digit basis.

Q23 It may be remarked that books on the Theology of a Religion are likely to contain philosophical matter. One should not be misled by this fact to place such theological books in the Main Class 'R Philosophy'. Only a book that treats exclusively of the philosophical aspect of the Theology of a Religion is to be put in 'R3 Metaphysics' and further subdivided by the Subject Device as provided for in the rules for the subdivision of 'R3 Metaphysics'.



## R PHILOSOPHY

R0 It is not possible to enunciate any relevant characteristics which may be made the basis of classification of Philosophy as a whole. In fact, we have to divide, in the first instance, along canonical lines. Some of the canonical divisions admit of classification on the basis of definite and appropriate characteristics. The ninth subdivision of each division is usually reserved for special topics about which some considerable literature exists. The terms used in Philosophy are very elusive. Many shades of differences are discernible in the use of the same terms by different philosophers. Baldwin's *Dictionary of philosophy* and James Hastings' *Encyclopaedia of religion and ethics* may be of use in deciding the appropriate Class Numbers of books in Philosophy.

### R3 Metaphysics

R30 Two trains of characteristics are to be used for the subdivision of Metaphysics, *viz.*, View or 'V' and Subject or 'S'.

R301 The two trains of characteristics forming the basis of classification of Metaphysics are to be taken in the order 'V', 'S'.

R302 The Numbers corresponding to these trains of characteristics may be termed the View Number and the Subject Number respectively.

R303 The symbols and the appropriate divisions on the basis of the train of 'V' characteristics are given in Schedule R of Part II. The Numbers corresponding to the 'S' characteristics are to be constructed by the Subject Device.

### R4 Ethics

R40 Two trains of characteristics are to be used for the subdivision of Ethics, *viz.*, Problem or 'P' and Controlling or 'C'.

R401 The two trains of characteristics forming the basis of classification of Ethics are to be taken in the order 'P', 'C'.

R402 The Numbers corresponding to these trains of characteristics may be termed the Problem Number and the Controlling Element Number respectively.

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R403 The symbols and the appropriate divisions on the basis of the train of 'P' characteristics are given in Schedule R of Part II. The Numbers corresponding to the train of 'C' characteristics based on the Favoured Category Device are given in Schedule R of Part II, while the others are to be constructed by the Subject Device.

For example, Family Ethics of Hindus will be R42:Q2; treatment of animals according to Jains will be R47:Q3; if a book deals with Ethics as determined by sociological considerations, its number will be R4:Y1; on the other hand, a book that deals with Ethics as determined by statutory laws will be R4:Z.

### R6 Indian Philosophy

R60 The division 'R6' has been set apart for Indian Philosophy. So also the division 'R7' may be set apart for any other system or school of philosophy in which the library specialises. For other Philosophical Systems peculiar to different countries, the division 'R8' is set apart, the number 'R8' being amplified by the Geographical Number representing the country concerned. This Geographical Number will ordinarily be of two digits and if it is of three digits, the second digit will be 9. Hence a colon need not be put after the Geographical Number.

R601 Special places have been given for Indian Philosophy as there is a considerable amount of literature on it. But it is open to librarians whose collections are different, to use 'R6' and 'R7' for such Philosophical Systems as are represented most in their collections.

R602 We have to divide Indian Philosophy along canonical lines only.

R62 The literature in Indian Philosophy abounds in classical treatises with a long hierarchy of commentaries and sub-commentaries. Hence a fairly long illustrative list of divisions by the Classic Device is included in Schedule R of Part II.

R65 The books in the Divisions 'R65' to 'R68' fall into two classes, *viz.*, those that are direct expositions and those that take the form of a commentary on certain basic texts.

R650 In the case of books that take the form of commentaries on basic texts, a second train of characteristics is to be used, *viz.*, Basic Text or 'B' characteristic.

R651 The first four divisions corresponding to the train of 'B' characteristic represent the Upanishads relating respectively to the Four Vedas and their different Sakhas, the numbers for the Vedas or their Sakhas, as the case may be, as given in Schedule Q of Part II, constituting the Basic Text Number.

## PHILOSOPHY

R655 The other divisions corresponding to the 'B' characteristic will be as follows:—'5 Brahmasutra'; '6 Bhagavad Gita'; '7 Bhagavata Purana'; '8 Mahabharata' and its parts; '9 Other Texts'.

It may be stated here that the Basic Text part should be separated by a colon from the preceding part of the Class Number.

## S PSYCHOLOGY

S0 Two trains of characteristics are to be used for the subdivision of Psychology, *viz.*, Entity or 'E' and Problem or 'P'.

S01 The two trains of characteristics forming the basis of classification of Psychology are to be taken in the order 'E', 'P'.

S02 The Number corresponding to these trains of characteristics may be termed the Entity Number and the Problem Number respectively.

S03 The symbols and the appropriate divisions on the basis of each of these trains of characteristics are given in Schedule S of Part II.

S1 The terms used in the divisions based on the train of 'E' characteristics require some explanation. The following gives a rough indication of the denotation of these terms.

S11 The term *child* is to be given the second meaning given in the Oxford Dictionary, namely, "a young person of either sex below the age of puberty", *i.e.*, below fourteen years in the case of a male and twelve years in the case of a female. The class '11 New Born' is to include children below eight months. The class '12 Toddler' is to include children between eight months and one year. The class '13 Infant' is to include children under seven years of age. The class '15 Pre-adolescent' is to include children above seven years but below the age of puberty.

S12 The class '2 Adolescent' is to include males between the years fourteen and twenty-five and females between the years twelve and twenty-one.

S14 The Division '4 Vocational' is to include classes of persons belonging to different vocations and this may be subdivided by the Subject Device.

S16 The connotation of the class '6 Abnormal' is indicated by its subdivisions.

S17 The Division '7 Race' may, wherever necessary, be subdivided by the Geographical Device or as in Y1 Sociology. The country or the geographical area with which the Race is primarily associated is to be used to construct the Geographical Number.

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S18 The Division '8 Social' is to be used to indicate a collection or group of human beings as such.

S22 The Problem Number '2' and its subdivisions may be subdivided on the basis of the train of Point-of-View or the 'V' characteristics. The Number corresponding to this train of characteristics may be termed the Point-of-View Number. The symbols and the appropriate divisions based on this train of Characteristics are given in Schedule S of Part II.

S23 The Problem Number '3' and its subdivisions may also be subdivided on the basis of the train of Point-of-View or the 'V' characteristics, mentioned in Rule S22.

S99 If a book deals with a psychological problem from the point of view of a specific School of Psychology, the Main Class Digit 'S' is to be amplified by the Chronological Device before the Divisions based on the trains of 'E' and 'P' characteristics are applied to it. The Chronological Number is to be worked out to three digits, the year of the first publication of an authentic exposition of the School being used as the epoch.

The amplified digit 'S' for some Schools of Psychology are given by way of illustration at the end of Schedule S of Part II.

As a result of this Rule, books on the ordinary theory of Psychology will come first, of course classified in all possible ways. Then the books dealing with particular Schools, classified among themselves in all possible ways, will come in successive chronological order.

## T EDUCATION

T0 Two trains of characteristics are to be used for the subdivision of Education, *viz.*, Educand or 'E' and Problem or 'P'.

T01 The two trains of characteristics forming the basis of classification of Education are to be taken in the order 'E', 'P'.

T02 The Number corresponding to these trains of characteristics may be termed the Educand Number and the Problem Number respectively.

T03 The symbols and the appropriate divisions on the basis of each of these trains of characteristics are given in Schedule T of Part II.

T1 It may be observed that the divisions of the Main Class 'T Education' based on the train of 'E' characteristics are mnemonic with the divisions of the Main Class 'S Psychology' based on the train of 'E' characteristics.

T220 The Problem Division '2 Schools of Education' is to be divided by the Chronological Device. The Chronological Number is to be worked out to three digits, the year of the first publication of an authentic exposition of the School being used as the epoch.

The subdivision of '2' for some Schools of Education are given by way of illustration in Schedule T of Part II.

T221 Any of the subdivisions of the problem division '2' may be further subdivided, whenever necessary, by the Auto-Bias Device.

A dash need not however, be put between the Chronological Number amplifying the Problem Digit '2' and the Bias Number. As the Chronological Number will always consist of three digits no ambiguity is likely to arise by not inserting the dash.

T23 The Problem Number '3 Teaching Technique' may be subdivided by the Subject Device with the modification given under Problem Number '3' of Schedule T of Part II.



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The bare digit '3' is to be used for books which deal with the teaching of more than one subject. In the case of books dealing with specific subjects, the Number for the subject is to be added after the digit '3' without a colon intervening.

T34 Such of the subdivisions of the Problem Division '4 Organisation', as may admit of it, may be further subdivided on the basis of the train of Subject or S characteristics, the divisions on the basis of this train being obtained by the Subject Device.

T8u The Class Numbers of books which give a descriptive account of education or any particular aspect of education in specific geographical areas at a particular time are to be amplified by the Common Subdivision digit *u*, which itself is to be amplified as usual.

T8v The Class Numbers of books which trace the history of education or of any particular aspect of education through a stretch of time are to be amplified by the Common Subdivision digit *v*, which itself is to be amplified as usual.

## U GEOGRAPHY

U0 Three trains of characteristics are to be used for the subdivision of Geography, *viz.*, Problem or 'P', Geographical or 'G' and Chronological or 'C'.

U01 The three trains of characteristics forming the basis of classification of Geography are to be taken in the order 'P', 'G', 'C'.

U02 The Numbers corresponding to these trains of characteristics may be termed the Problem Number, the Geographical Number and the Chronological Number respectively.

U03 The symbols and the appropriate divisions on the basis of the train of Problem characteristics are given in Schedule U of Part II.

The term 'Geography' is a very elusive one. According to the *Encyclopaedia Britannica*, it is a synthetic science. "The characteristic task of geography is to investigate the control exercised by the forms and vertical relief of the surface of the lithosphere directly or indirectly on the various mobile distributions". The big Oxford Dictionary defines it as "The Science which has for its object the description of the earth's surface, treating of its form and physical features, its natural and political divisions, the climate, productions, population, etc., of the various countries."

Accordingly we have included in the Problem Divisions of Geography, Mathematical Geography, Physical Geography, Bio-Geography, Anthro-Geography and Economic Geography. We have also included the Science of Meteorology. Another feature of the problem classes is that 'Travels' forms one of them. As has been already stated in the commentary on Rule 2u1 of Chapter 2, it is only General Travel books that are to be accommodated in this division.

U3 The third train of characteristics namely, the train of Chronological characteristics, may not be applicable in all cases. But, it will certainly be applicable when the Problem Number is '6' or '8'. In all such cases, it may be sufficient to work out the Chronological Number to two digits. The latest period of time covered is to be used as the epoch in constructing the Chronological Number.

## W POLITICAL SCIENCE

W0 Two trains of characteristics are to be used for the subdivision of Political Science, *viz.*, Type of State or 'T' and Problem or 'P'.

W01 The two trains of characteristics forming the basis of classification of Political Science are to be taken in the order 'T', 'P'.

W02 The Numbers corresponding to these trains of characteristics may be termed the Type Number and the Problem Number respectively.

W03 The symbols and the appropriate divisions on the basis of each of these trains of characteristics are given in Schedule W of Part II.

W2 It will be observed that the Problem Classes of 'W Political Science' are quite parallel to the Problem Classes of 'V History'. A reference may be made to the commentary 822 of Chapter 8 of this Part, with regard to the line of demarcation between 'V History' and 'W Political Science'.

## X ECONOMICS

X0 Four trains of characteristics are to be used for the subdivision of Economics, *viz.*, Business or 'B', Economic or 'E', Geographical or 'G' and Chronological or 'C'.

X01 The four trains of characteristics forming the basis of classification of Economics are to be taken in the order 'B', 'E', 'G', 'C'.

X02 The Numbers corresponding to these trains of characteristics may be termed the Business Number, the Economic Number, the Geographical Number and the Chronological Number respectively.

X03 The symbols and the appropriate divisions on the basis of each of the first two trains of characteristics are given in Schedule X of Part II.

X14 'Transport' occurs both in the Business Train and in the Economic Train. In the former, books on the business of 'Transport', as such, are to be accommodated while the latter is to hold only books that deal with the process of the actual transport of specific commodities, involving, as it does, the details indicated under the Problem Division '4' in Schedule X of Part II.

X17 The Business Division '7' and its subdivisions may not admit of all the General Problem Divisions given in Schedule X of Part II. Hence a special Schedule of Problem Divisions applicable to the business Division '7' and its subdivisions is given at the end of the General Problem Divisions in Schedule X of Part II.

X29 'Labour' is given as an independent Problem Division and not included in the Problem Division '8 Management' as the Labour problem is a vast one and appears to have an independence of its own. The problem Division '82 Employees' is therefore to hold only books on the employees other than 'Labour', that is, the specially skilled workers and the intellectual workers.

X3 A book, that deals with the Science of Economics but does not deal with an account of any specific economic problem in any particular geographical area, will not, of course, admit of division on the basis of the 'G' and 'C' characteristics. In this connection a reference may also be made to the commentary 823 of Chapter 8 of this Part with regard to the convention about the distinction between Economics and Economic History.

## ECONOMICS

X4 If the Geographical characteristic is used, the Chronological characteristic also must be used. Ordinarily it may be sufficient to work out the Chronological Number to two digits. The Geographical Number and the Chronological Number are to be separated by a colon.

X8 Notwithstanding anything to the contrary contained in Rule 23 of Chapter 2 of this Part, in the case of books falling in the Main Class 'X Economics', if a bare or amplified Common Subdivision Number is to be applied, classification on the basis of the trains of 'G' and 'C' characteristics and these trains of characteristics are to be omitted.

*Vide* Commentary on Rule 88.

X8e Books on weights and measures are to be given the class number X:5e.

X9 When the Economic Number is '5' or any of its subdivisions, the Geographical Number may be amplified by the Bias Number Device, using for the Bias Number the number for the geographical area with which commerce is conducted. If there be two or more such areas, the number for the first of them is to be used.

X99 If a book deals with an economic problem from the point of view of a specific Type of Economic Organisation, the Subject Digit 'X' is to be amplified by the Chronological Device before the divisions based on the trains of 'B', 'E', 'G' and 'C' characteristics are applied to it. The Chronological Number is to be worked out to three digits, the year of the first publication of an authentic exposition of the Type of Organisation being used as the epoch.

The amplified digit 'X' for some Types of Organisation are given by way of illustration at the end of Schedule X of Part II.

As a result of this Rule, books belonging to the ordinary capitalistic Type of Organisation will come first, of course classified in all possible ways. Then the books belonging to the particular Types of Organisation such as 'Co-operative' and 'Communist' (classified among themselves in all possible ways) will come in successive chronological order.

## Y OTHER SOCIAL SCIENCES

The Main Classes 'S' to 'X' and 'Z' represent the major Social Sciences. To make the divisions of Social Sciences totally exhaustive, the Main Class 'Y Other Social Sciences' is introduced. It plays the same role with reference to the Social Sciences as the Main Class 'M Useful Arts' does with reference to the Applications of Sciences.

Further, this Main Class may also be looked upon as a Generalia Class for the Social Sciences. In fact, any Generalia book dealing with Social Sciences only is to be given the Class Number 'Y', while Y1, Y2, etc., will represent specific Social Sciences, not already provided for in the other Subject Divisions.

It may be stated here that the Schedule Y of Part II deals only with 'Y1 Sociology'. As need arises, Y2, Y3 may also be set apart for other definite Social Sciences that may take shape.

### Y1 Sociology

Y10 Five trains of characteristics are to be used for the subdivision of Sociology, *viz.*, Group of 'G', Problem or 'P'. Secondary Problem or S, Geographical or Gg and Chronological or C.

Y101 The five trains of characteristics forming the basis of classification of Sociology are to be taken in the order 'G', 'P', 'S', 'Gg', 'C'.

Y102 The Numbers corresponding to these trains of characteristics may be termed the Group Number, the Problem Number, the Secondary Problem Number, the Geographical Number and the Chronological Number respectively.

The Secondary Problem Number is called Handling Number when applied to Problem Divisions 4 and 5.

Y103 The symbols and the appropriate divisions on the basis of the first three trains of characteristics are given in Schedule Y of Part II.

Y117 The Group Division 7 and its subdivisions are to hold the class Anthropology and Ethnology.

Y18 Notwithstanding anything to the contrary contained in Rule 23 of Chapter 2 of this Part, in the case of books fall-



## OTHER SOCIAL SCIENCES

ing in Class 'Y1 Sociology' the bare or amplified Common Subdivision Number is to be applied before classification on the basis of the trains 'Gg' and 'C' characteristics and these trains of characteristics are to be omitted.

*Vide* Commentary on Rule 88.

Y19 The Class 'Y1 Sociology' may frequently require the application of the Auto-Bias Device in the construction of Group Numbers.

## Z LAW

Z0 Three trains of characteristics are to be used for the subdivision of law, viz. Community or 'C', Law or 'L' and Problem or 'P'.

Z01 The three trains of characteristics forming the basis of classification of Law are to be taken in the order 'C' 'L', 'P'.

Z02 The Numbers corresponding to these three trains of characteristics may be termed the Community Number, the Law Number and the Problem Number respectively.

Z03 The symbols and the appropriate divisions on the basis of the last two trains of characteristics are given in Schedule Z of Part II.

Z1 The divisions based on the train of Community Characteristics are to be got by the Geographical Device in the case of nations and sections of nations who are individualised by the geographical area of their habitation, and by the Subject Device in the case of other communities who are individualised by other factors such as religion.

Thus French law and Australian law will be represented by Z53 and Z8 while Hindu law, Canon law of Christians and Muslim law will be represented by ZQ2, ZQ6 and ZQ7 respectively.

Again the federal law of the United States will be Z73 whereas the law of California will be Z7351. So also in the case of the special law of a particular sect of a religion, the religion number will have to be subdivided to the necessary extent.

Z11 For international law, the geographical number to be used is '1' if it covers the whole world or any other appropriate number if it covers only a part of the world.

*e.g.*, American international law will have the number Z7.

It may be stated here that this rule relates to Public International Law, i.e., to law which governs situations in which all the parties concerned are States or Governments, politically independent of one another.

Z2 It will be noted that the terms used to denote the classes based on the trains of Law and Problem characteristics are so chosen as to be applicable to International Law as well as Municipal Law. Wherever it is not so, the analogous terms are to be understood.

## LAW

Z25 It will be seen that some of the last subdivisions of '5 Crimes' are obtained by a modified form of Subject Device. Further subdivisions may be obtained in an analogous manner.

Z26 The Law Division '6 Conflict of laws, private international law' has been taken away from 'Public international law', as it is said to have greater affinity to 'Municipal law' than to 'International law'.

Z261 As has been indicated in the Schedule, Law Number '6' is to be subdivided by applying to it such of the divisions of 'Z' on the basis of the Law characteristic as are applicable to it with the modification that '6 Conflict of laws' is to be replaced by '6 During war'. '66' may again be subdivided as '6' itself.

Z2A The divisions A to D based on the train of Law characteristics, which relate to war-conditions, are to be subdivided by applying to them such of the divisions of 'Z' on the basis of the trains of Law characteristics as are applicable to them.

The appropriate terms for the derived composite classes will be obvious, e.g., Z1:C265 is the number for 'Prize law'.

It may be stated that it is not possible for the Main Classes A, B, C, D to figure as Last Octave Numbers of Z Law. Hence, no ambiguity will arise by A, B, C, D being used as divisions based on the train of Law characteristics.

Z3 The classes based on the train of Problem characteristics would naturally depend upon the Law Number and would be different for different Law Numbers. Hence the Problem Classes for certain Law Numbers have been given separately in the Schedule. If the need for problem classes is felt in the case of other Law Numbers, they will have to be constructed analogously and consistently with the Canon of Mnemonics, expounded in the *Prolegomena to library classification*.

Z8y7 A law report is to have its number amplified by the Common Subdivision y7. The report of a particular case may require further amplification by the Chronological Device, the chronological number being worked out to three digits and the date of commencement of the trial being used as the epoch. A periodical law report may require further amplification of y7 by m. m need not be amplified by the Chronological Device if it is an official report. Nor is it necessary to amplify m by the Geographical Device if the Community Number is a Geographical Number.

## LAW

Z9 The Classic Device may, if necessary, be applied also to any Class Number ending with the 'Digests' digit z.

Pandurang Vaman Kane *History of Dharma Sastra* will be of much help in applying the Classic Device in the case of Hindu Law. The Dharma Sastras of Hinduism usually devote one of their parts to law. The editions of a Dharma Sastra as a whole are to be placed in religion and illustrative Class Numbers of such works by the Classic Device have been given at the end of Schedule Q of part II. But editions of the Law part alone are better placed in Law. For example, the Law part of Q2:4x2 Yajnavalkya is to be given the Class Number ZQ2x2. Similarly the Law part of Q2:4x223 Balambhatti is to be given the class Number ZQ2x223. Again, the Law part of Q2:4x5 Narada is to be given the Class Number ZQ2x5.

The following are some examples of classics in digests:

ZQ2xxI50 Vacaspatimisra *Vivada cintamani*.

ZQ2:1225xxK10 Nanda Pandita *Dattakamimamsa*.

SEP 1

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# COLON CLASSIFICATION

BY

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Secretary, Madras Library Association

## PART II

SCHEDULES OF CLASSIFICATION



MADRAS  
THE MADRAS LIBRARY ASSOCIATION

LONDON, EDWARD GOLDSTON, LTD.

FIRST EDITION 1933

SECOND EDITION (*Revised*) 1939

251qN33

G9<sup>a</sup>2

# 1 MAIN CLASSES

1 to 9 Generalia

Δ Spiritual experience  
and mysticism

## *Sciences*

## *Humanities*

A Science (General)  
B Mathematics  
C Physics  
D Engineering  
E Chemistry  
F Technology  
G Natural Science  
(General) and  
Biology  
H Geology  
I Botany  
J Agriculture  
K Zoology  
L Medicine  
  
M (Other) applications  
of sciences, Useful  
arts

N Fine arts  
O Literature  
P Linguistics  
Q Religion  
R Philosophy  
S Psychology  
T Education  
  
U Geography  
V History  
W Political science  
X Economics  
Y (Other) social sciences  
including sociology  
Z Law

## 2 COMMON SUBDIVISIONS

<i>a</i>	<b>Bibliography</b>		Problem Number
<i>b</i>	<b>Profession</b>		"7" of 'S Psycho-
<i>b1</i>	<b>Qualification</b>		logy')
<i>b11</i>	<b>Educational</b>	<i>b2</i>	<b>Recruitment</b>
<i>b111</i>	<b>General</b>	<i>b3</i>	<b>Training</b>
<i>b112</i>	<b>Special</b>	<i>b4</i>	<b>Research</b>
<i>b12</i>	<b>Age</b>	<i>b5</i>	<b>Service conditions</b>
<i>b13</i>	<b>Physical</b>	<i>b51</i>	<b>Grades</b>
<i>b131</i>	<b>Longevity, expecta- tion of life</b>	<i>b52</i>	<b>Salary</b>
		<i>b53</i>	<b>Leave</b>
<i>b132</i>	<b>Anthropometrical</b>	<i>b55</i>	<b>Amenities</b>
	(To be subdivided	<i>b56</i>	<b>Superannuation</b>
	as the Problem	<i>b57</i>	<b>Tenure</b>
	Number "2" of 'Y1	<i>b6</i>	<b>Control</b>
	<b>Sociology' and</b>	<i>b7</i>	<b>Unions, associations</b>
	to be further divi-	<i>b8</i>	<b>Powers and duties</b>
	ded by the train	<i>c</i>	<b>Laboratories, ob-</b>
	of Organ charac-		<b>servatories</b>
	teristics as in 'L	<i>d</i>	<b>Museums, exhibi-</b>
	<b>Medicine')</b>		<b>tions</b>
<i>b133</i>	<b>Functional; physio-</b>	<i>e</i>	<b>Instruments, machi-</b>
	<b>logical. (To be</b>		<b>nes, appliances,</b>
	further divided by		<b>formulas</b>
	the train of Organ	<i>f</i>	<b>Maps, atlases</b>
	characteristics as	<i>g</i>	<b>Charts, diagrams,</b>
	in 'L Medicine')		<b>graphs, handbooks,</b>
<i>b16</i>	<b>Family, heredity, eu-</b>		<b>catalogues</b>
	<b>genical</b>	<i>h</i>	<b>Institutions</b>
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	subdivided as the		

## 2 COMMON SUBDIVISIONS

<i>j</i>	Miscellanies, memorial volumes, Festschrift- ten		counts, explorations, topography
		<i>v</i>	History
<i>k</i>	Cyclopaedias, dictionaries, concordances	<i>w</i>	Biography, letters
		<i>x</i>	Collected works, selections
<i>l</i>	Societies		
<i>m</i>	Periodicals	<i>y1</i>	Scope
<i>n</i>	Yearbooks, directories, calendars, almanacs	<i>y2</i>	Syllabus
		<i>y5</i>	Catechism
		<i>y6</i>	Synopsis
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		<i>y8</i>	Experimental work, practical work
<i>q</i>	Bills, acts, codes	<i>z</i>	Digests
<i>r</i>	Government departmental reports and similar periodical reports of corporate bodies	<i>z4</i>	Parody
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<i>u</i>	Travels, expeditions, surveys or similar descriptive accounts	<i>z7</i>	Symposia, lectures, essays
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1052	Roman empire	1914	Prairies
1056	British empire	1915	Rain forests
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167	North frigid zone	19517	Rivers
17	Temperate zone	19518	Lakes
173	South temperate zone	1955	Sea water
177	North temperate zone	196	Mountain region
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4142	Kwei-chow		States	
4143	Hu-nan	43813	Karenni	
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4152	Hu-peh	43821	Thaton	
4153	Shen-si	43822	Amherst	
4161	Ho-nan	43823	Tavoy	
4162	Shan-si	43824	Mergui	
4163	Kan-su	43831	Toungoo	
4171	Chih-li	43832	Pegu	
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421	Honshu	43835	Insein	
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4362	Celebes	43861	Chin Hills	
4363	Java	43862	Lower Chindwin	
4365	Sumatra	43864	Katha	
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43692	Natuna isles	43873	Bhamo	
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43888	Myingyan	44192	North Arcot
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44112	Chingleput	4424	Mysore
44113	South Arcot	4425	Hyderabad
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44132	Ramnad	443111	Ahmadnagar
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44163	Bellary	443151	Ratnagiri
44165	Kurnool	443152	Kolaba
4418	Andhra Desa	443153	Satara
44181	Nellore	443154	Aundh
44182	Guntur	443155	Bhor
44183	Kistna	443156	Poona
44184	Godavari, West	443157	Thana
44185	Godavari, East	443158	Jawhar
44186	Vizagapatam	443161	Surat
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		443164	Palanpur

# GEOGRAPHICAL DIVISIONS

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443183	Kaira	443653	Shahpur
443184	Panch Mahals	443654	Gujranwala
443185	Rewakantha	443656	Shekhpura
4432	Baluchistan	443661	Gujarat
443211	Kachhi	443663	Jhelum
443212	Jhalawan	443664	Attock
443231	Las Bela	443665	Rawalpindi
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443611	Ambala	4436914	Dujana State
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445215	Jaunpur	445291	Unao
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445242	Farrukhabad	445315	Singhbhum
445243	Mainpuri	445316	Balasore
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445245	Muttra	445335	Angul
445246	Aligarh	445336	Feudatory states of
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445252	Bulandshahr	445352	Ranchi
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445255	Moradabad	445371	Saran
445256	Rampur	445372	Champaran
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# GEOGRAPHICAL DIVISIONS

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44541	Cuttak	446254	Birbhum
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44544	Korapet	446257	Dinajpur
44545	Sambalpur	446271	Darjeeling
44547	Balasore	446272	Jalpaiguri
		446273	Cooch-Behar State
4461	<b>Assam</b>	446275	Rangpur
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446114	Manipur	446292	Faridpur
446131	Lushai Hills	446293	Jessore
446151	Sylhet	446295	Nadia
446153	Garo Hills	446296	Rajshahi
446171	Golpara	4471	<b>Central Provinces</b>
446172	Kamrup	447111	Bilaspur
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4462	<b>Bengal</b>	447133	Yeotmal
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446212	Dacca	447135	Wardha
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446231	Backergunge	447143	Nimar
446232	Khulna	447151	Betul
446233	Twenty-four Parganas	447152	Hoshangabad
446234	Howrah	447153	Narsinghpur
446236	Midnapore	447154	Chhindwara
446251	Hooghly	447155	Seoni
446252	Bogra	447161	Saugor
		447162	Damoh
		447163	Jubbulpore



# GEOGRAPHICAL DIVISIONS

447171	Mandla	448282	Bharatpur
447172	Chang Bhakar	448291	Bundi
447173	Korea	448292	Ajmer-Merwara
447181	Surguja	449	Islands
447182	Jashpur	4491	Andamans
447183	Udaipur	4492	Laccadive Islands
447184	Raigarh	4498	Ceylon
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4481	Central India	4613	Hadhramaut
448111	Rewah	4614	Nejd
448112	Maihar	4615	Hejaz
448113	Panna	4617	Syrian Desert
448114	Ajaigarh	462	Oman
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	eastern states	465	Palestine
448151	Gwalior	467	Iraq (Mesopotamia)
448152	Bhopal	4671	Babylonia
448154	Indore	4672	Assyria
448158	Other	47	Asia Minor
	western states	48	Siberia
4482	Rajputana	4893	Armenia
448211	Kotah	49	Other Asiatic countries
448212	Jhalawar	491	Afghanistan
448231	Shajapur	492	Syria
448232	Mandasar	494	Manchuria
448241	Banswara	495	Korea
448242	Dungarpur	496	Mangolia
448243	Mewar	497	Sinkiang
448251	Sirohi	498	Tibet
448252	Marwar	5	Europe
448253	Jaisalmer	51	Greece
448261	Bikaner	52	Italy
448271	Jaipur	5291	Sicily
448281	Alwar		

# GEOGRAPHICAL DIVISIONS

5292	Malta	56161	Stafford
53	France	56162	Cheshire
54	Spain and Portugal	56163	Lancashire
541	Spain	56171	Westmorland
542	Portugal	56172	Cumberland
55	Germany	56173	Northumberland
5541	Saar Basin	56175	Yorkshire
56	Great Britain and Ireland	56176	Nottingham
561	England	56177	Durham
56111	Norfolk	56181	Lincoln
56112	Suffolk	56182	Leicester
56113	Essex	56183	Rutland
56114	Hertford	562	Wales
56115	Bedford	5621	Radnor
56116	Northampton	56212	Brecknock
56117	Cambridge	5622	Glamorgan
56118	Huntingdon	5623	Carmarthen
56121	Surrey	5624	Pembroke
56122	Kent	5625	Cardigan
56123	Sussex	5626	Montgomery
56124	London	5627	Merioneth
56131	Berks	56281	Carnarvon
56132	Hamp	56282	Denbigh
56133	Wilts	56283	Flint
56134	Dorset	56291	Anglesey
56141	Devon	563	Scotland
56142	Cornwall	56311	Fife
56143	Somerset	56312	Kinross
56151	Oxford	56313	Clackmannan
56152	Gloucester	56314	Stirling
56153	Monmouth	56321	West Lothian (Lin- lithgow)
56154	Hereford	56322	Mid Lothian (Edin- burgh)
56155	Shropshire	56323	East Lothian (Had- dington)
56156	Derby		
56157	Worcester		
56158	Warwick		

# GEOGRAPHICAL DIVISIONS

56324	Berwick	564152	King's Co.
56327	Peebles	564153	West Meath
56331	Lanark	564161	Longford
56332	Selkirk	564181	Louth
56333	Roxburgh	564182	Meath
56334	Dumfries	5643	Munster
56341	Kirkcudbright	56431	Waterford
56342	Wigtown	56432	Cork
56343	Ayr	56433	Kerry
56351	Renfrew	56434	Limerick
56352	Dumbarton	56435	Clare
56353	Argyll	56437	Tipperary
56354	Perth	5645	Connaught
56371	Inverness	56451	Roscommon
56372	Ross and Cromarty	56453	Galway
56373	Sutherland	56455	Mayo
56374	Caithness	56457	Sligo
56381	Nairn	56458	Leitrim
56382	Moray (Elgin)	5647	Ulster
56383	Banff	56471	Monaghan
56384	Aberdeen	56472	Cavan
56385	Kincardine	56473	Donegal
56386	Angus (Forfar)	5648	Northern Ireland
5639	Islands	56481	Antrim
56391	Bute	56482	Down
56392	Orkney Islands	56483	Armagh
56393	Shetland	56486	Fermanagh
		56487	Tyrone
		56488	Londonderry
564	Ireland		
5641	Leinster	57	Scandinavia
564111	Dublin	571	Sweden
564112	Kildare	572	Denmark
564113	Wicklow	573	Norway
564121	Wexford	574	Iceland
564122	Carlow	575	Finland
564131	Kilkenny		
564151	Queen's Co.	58	Russia
	(Leix)	591	Turkey

# GEOGRAPHICAL DIVISIONS

59191	Cyprus	658	Gambia
592	Balkan States	6591	Sierra Leone
5921	Rumania	661	Rio de Oro
5922	Bulgaria	663	Morocco
5923	Yugo-slavia	671	Egypt
5925	Czecho-slovakia	6711	Sinai
5927	Albania	672	Anglo-Egyptian Sudan
5931	Austria	674	Libya
5932	Hungary	675	Tunisia
594	Switzerland	677	Algeria
595	Poland	681	Eritrea
596	Netherlands	682	Abyssinia
5961	Belgium	683	British Somaliland
5962	Holland	685	Italian Somaliland
5971	Lithuania	687	Kenya
5973	Latvia	688	Uganda
5975	Esthonia	69	Islands
6	Africa	691	Madagascar
611	Tanganyika	692	Socotra
612	Mozambique	693	Mauritius
613	Rhodesia	698	Zanzibar
6133	Southern Rhodesia	7	America
615	Nyasaland	71	North America
63	Union of South Africa	7191	Greenland
631	Transvaal	72	Canada
632	Natal	7211	Nova Scotia
633	Orange Free State	7212	New Brunswick
634	Cape of Good Hope	722	Ontario
641	Belgian Congo	723	Manitoba
642	South West Africa	724	Saskatchewan
643	Angola	7251	Alberta
65	West Africa	7252	British Columbia
653	French West-Africa	7253	Yukon
654	Nigeria	726	North West Territory
655	Ashanti	728	Quebec
656	Liberia	7291	Prince Edward Is- lands
657	Gold Coast		

# GEOGRAPHICAL DIVISIONS

7292	Newfoundland	7375	Iowa
73	United States	7376	Illinois
7311	New York	7377	Indiana
7312	Pennsylvania	7381	Michigan
7313	New Jersey	7382	Ohio
7314	Delawar	7383	Vermont
7315	Maryland	7384	Connecticut
7317	Virginia	7385	Massachussetts
7318	Kentucky	7386	New Hampshire
7321	North Carolina	7387	Maine
7322	South Carolina	7391	Rhode Island
7323	Georgia	74	Mexico
7324	Florida	7414	Yucatan
7325	Alabama	75	Central America
7326	Louisiana	751	Guatemala
7327	Mississippi	752	British Honduras
7328	Tennessee	753	Salvador
7331	Texas	755	Nicaragua
7332	Oklahoma	758	Costa Rica
7333	Kansas	76	Alaska
7334	Nebraska	77	Panama
7335	Missouri	791	South America
7336	Arkansas	7911	Uruguay
7341	New Mexico	7913	Argentine Republic
7342	Arizona	7914	Chile
7343	Colorado	7915	Paraguay
7344	Wyoming	79161	Bolivia
7351	California	79162	Peru
7352	Nevada	79163	Ecuador
7353	Oregon	79164	Colombia
7354	Idaho	79171	Venezuela
7355	Utah	79172	British Guiana
7361	Washington	79173	Dutch Guiana
7363	Montana	79174	French Guiana
7371	North Dakota	7918	Brazil
7372	South Dakota	79198	Falkland Isles
7373	Minnesota	792	West Indies
7374	Wisconsin	7921	Trinidad

# GEOGRAPHICAL DIVISIONS

7922	Windward and Sea- ward Islands
7924	Porto Rico
7925	Haiti
7926	Jamaica
7927	Cuba
7928	Bahamas
8	Australia
81	Queensland
82	New South Wales
8291	Hunter Islands
83	Victoria
84	South and Central Australia
85	Western Australia
86	North Australia
89	Islands
8921	Tasmania
9	Oceans
91	Indian Ocean
92	Antarctic Ocean
93	Pacific Ocean
931	Philippine and other associated islands
933	New Guinea

934	Melanesia
935	Micronesia
9358	Solomon Islands
936	Polynesia
9365	Samoa
9368	Fiji
937	New Zealand
9391	Aleutian Islands
9392	Hawaii
94	Arctic Ocean
943	Spitsbergen
95	Atlantic Ocean

## MNEMONIC DIGITS

*To be applied after Geographical  
number before Alphabetic  
Device is used for  
individualisation*

C	Cities, towns, villa- ges, etc.
D	Deserts
L	Lakes, tanks, etc.
M	Mountains, hills, peaks, etc.
R	Rivers, canals, etc.



#### 4 LANGUAGE DIVISIONS

<b>1</b>	<b>Indo-European</b>	<b>15</b>	<b>Sanskrit</b>
<b>11</b>	<b>Teutonic</b>	151	Prākṛt
11011	Gothic	1511	Pāli
110153	Low Frisian	1512	Mahārāṣṭrī
110155	Old Frisian	1516	Ardhamāgadhi
111	English	1517	Māgadhi
112	Dutch	1518	Apabhramśa
113	German	15198	Sinhalese
114	Swedish	152	Hindī
115	Norwegian	153	Panjābī
116	Danish	154	Gujarātī
117	Icelandic	155	Marāṭhī
<b>12</b>	<b>Latin</b>	156	Uriyā
121	Italian	157	Beṅgālī
122	French	158	Nepālī
123	Spanish	<b>16</b>	<b>Iranian</b>
124	Portuguese	161	Avestic
128	Celtic	162	Pahlavi
1283	Welsh	164	Persian
1285	Irish	165	Afghan (Pushtu)
1287	Scotch. Gaelic	168	Urdu
<b>13</b>	<b>Greek</b>	17	Armenian
<b>14</b>	<b>Slavonic</b>	18	Albanian
141	Lethic	191	Tockarish
142	Russian	192	Phrygian
143	Bulgarian	197	Hittite
144	Illyrian	<b>2</b>	<b>Semitic</b>
1441	Slav	21	Babylonian including Syriac
1442	Servian	22	Assyrian
145	Polish	24	Aramaic
146	Bohemian		

# LANGUAGE DIVISIONS

25	Hebrew	N.B.	<i>Divisions 4-9 to be</i>
26	Phoenician		<i>divided by the</i>
28	Arabic		<i>Geographical Device.</i>
3	<b>Dravidian</b>		
31	Tamil		<i>(Illustrative)</i>
32	Malayālam	467	Sumerian
33	Kānarese	99	<b>Artificial languages</b>
34	Tuḷu		<i>To be divided by the</i>
35	Telugu		<i>Chronological</i>
36	Kūi		<i>Device</i>
38	Brāhūi		
39	Toḍa, etc.		<i>(Illustrative)</i>
4	Other Asiatic languages	99M17	Solresol
		99M75	Lingualumina
5	Other European languages	99M80	Volapuk
		99M84	Blaia Zimondal
6	Other African languages	99M86	Cabe Aban
		99M87	Esperanto
7	Other American languages	99N03	Interlingua 'Latino Sina flex'
8	Other Australian languages	99N07	Ido
		99N23	Hom-idyomo
9	Other oceanic languages		

## 5 CHRONOLOGICAL DIVISIONS

A	Before 1999 B. C.	N	1900 to 1999 A. D.
B	1999 to 1000 B. C.	P	2000 to 2099 A. D.
C	999 to 1 B. C.	Q	2100 to 2199 A. D.
D	1 to 999 A. D.	R	2200 to 2299 A. D.
E	1000 to 1099 A. D.	S	2300 to 2399 A. D.
F	1100 to 1199 A. D.	T	2400 to 2499 A. D.
G	1200 to 1299 A. D.	U	2500 to 2599 A. D.
H	1300 to 1399 A. D.	V	2600 to 2699 A. D.
I	1400 to 1499 A. D.	W	2700 to 2799 A. D.
J	1500 to 1599 A. D.	X	2800 to 2899 A. D.
K	1600 to 1699 A. D.	Y	2900 to 2999 A. D.
L	1700 to 1799 A. D.	Z	3000 to 3099 A. D.
M	1800 to 1899 A. D.	AA	3100 to 3199 A. D.

## 9 GENERALIA

<i>Canonical divisions</i>		<i>Divisions based on the train of Bibliographical or B Characteristic</i>	
1	Bibliography	1	Publications in a particular geographical area
2	Library science	2	Publications dealing with a particular geographical area
3	Dictionaries, encyclopaedias	3	Publications in or dealing with a particular language
4	Societies	4	General catalogue of a library
5	Periodicals	5	General catalogue of a publishing agency
61	Congresses	7	Reference books
62	Commissions	91	Childrens' books
63	Exhibitions		
64	Museums		
7	Biographies		
8	Year-books		
9	Works, essays		
98	Theses		
<b>1 BIBLIOGRAPHY</b>		<b>2 LIBRARY SCIENCE</b>	
1 [M]: [B]		2 [P]: [L]	
<i>Divisions based on the train of Material or M Characteristic</i>		<i>Divisions based on the train of Problem or P Characteristic</i>	
1	Tablets	1	Building and equipment
2	Manuscripts	11	Stack room
3	Pictures	12	Catalogue room
35	Films	13	Reading room
4	Printed books	14	Counter
41	Incunabula	15	Periodicals room
53	Gramophone records	16	Office room
55	Filmed books		
8	Books for the blind		

# GENERALIA

17	Exhibition room		<i>Divisions based on the train of</i>
18	Lecture room		<i>Library or L</i>
19	Other rooms		<i>Characteristic</i>
4	<b>Administration</b>	1	<b>National and similar</b>
41	Book selection		<b>libraries</b>
42	Book order	11	National library
43	Periodicals work	12	Central library
44	Accessioning	14	Copyright library
45	Preparation of the book	15	Regional library
		2	<b>Public library</b>
5	<b>Technical</b>	21	Rural library
51	Classification	25	City library
55	Cataloguing		
551	Internal form of the catalogue	3	<b>Academic library</b>
		31	School library
5511	Alphabetic catalogue	32	College library
5513	Dictionary catalogue	33	University library
5515	Classified catalogue	34	Library of research organisations
555	External form of the catalogue	4	<b>Business library</b>
5551	Book form of catalogue	41	Industrial library
		42	Newspaper office library
5552	Pastedown catalogue		
5553	Sheaf catalogue	45	Commercial library
5555	Card catalogue	48	Government departmental library
6	<b>Circulation work</b>		
61	Within the library premises	5	<b>Library for special classes</b>
62	For home reading		
621	Books	51	Children's library
622	Periodicals	53	Prison library
623	Rules of lending	54	Hospital library
625	Interlibrary loan	55	Sea-men's library
65	Issue methods	58	Library for the blind
7	<b>Reference work</b>	7	<b>Subscription library</b>
72	Publicity work	8	<b>Private library</b>
8	<b>Shelf work</b>	92	Manuscripts library
91	Nomenclature etc.	98	Archives

## B MATHEMETICS

<i>Canonical divisions</i>		<i>Divisions based on the train of Problem or P Characteristic</i>	
B1	Arithmetic		
B2	Algebra		
B3	Analysis	1	Primality and divisibility
B4	Other methods	2	Distribution
B5	Trigonometry	3	Diophantine equations
B6	Geometry		
B7	Mechanics		
B8	Ph y s i c o-mathematics		<i>Special equations by the Chronological Device (illustrative)</i>
B9	Astronomy	3K57	Pell's equation
B1	ARITHMETIC	5	Forms including partitions
R11	Lower arithmetic		<i>Special forms by the Chronological Device (illustrative)</i>
B111	Numeration		
B112	Notation		
B113	Arithmetical operations	5K37	Fermat's last theorem
B114	Approximations	5L42	Goldbach's theorem
B12	Concept of numbers	5L50	Waring's problem
B13	Integers (theory of numbers)	9	Associated arithmetic functions
B13	[N] : [P] : [M]		<i>Special arithmetic functions by the Chronological Device (illustrative).</i>
<i>Divisions based on the train of Number or N Characteristic</i>		9L60	$\phi$ function
1	Prime numbers	9M32	$\mu$ function
2	Numbers defined by factor properties	9M97	Merten's function
21	Highly composite numbers		<i>Divisions based on the train of Method or M Characteristic</i>
5	Numbers defined by partition properties	1	Elementary arithmetical methods



2	Algebraic methods	B215	Ratio and proportion, variation
21	Elementary algebraic methods	B216	Progressions
22	Methods of rational approximations by continued fraction	B217	Permutations and combinations
23	Congruences	B22	Continued fractions
25	Method of algebraic forms	B221	Finite continued fractions
28	Method of probability	B23	Theory of equations
3	Analytical methods		
36	Method of infinite series and products	B23 [E]: [P]	
38	Method of complex variable		<i>Divisions based on the train of</i>
39	By the use of special functions		Equation or E
	(to be divided as B39)		Characteristic
6	Geometrical methods	1	Simple
		2	Quadratic
		3	Cubic
		4	Biquadratic
B15	Algebraic numbers and ideal numbers	6	Simultaneous
		7	<i>n</i> th degree
		8	Transcendental
		9	Special
	(to be divided as B13)		<i>Special equations by the</i>
B16	Complex and hypercomplex numbers		<i>Chronological Device</i>
			(illustrative)
	(to be divided as B13)	9M29	Abelian equations
		9M72	Sylow equations
B18	Transcendental numbers		<i>Divisions based on the train of</i>
			Problem or P
			Characteristic
	B2 ALGEBRA	1	Numerical solutions
B21	Elementary algebra, i.e., not involving infinite processes	3	Symmetric functions
		4	Elimination, resultant
		5	Formal solutions
		6	Graphical solutions
B213	Fundamental operations and laws	7	Existence of solutions, Galois theory

B24 Determinants

B245 Matrices

*Special determinants by the  
Chronological Device  
(illustrative)*

B24M12 Alternants

B25 Higher algebra,  
forms, transfor-  
mations, inva-  
riants, etc.

B25 [F]: [D]: [T]

*Divisions based on the train of  
Form or F*

*Characteristic*

2 Binaries

3 Ternaries

4 Quaternaries

7 n-naries

*Divisions based on the train of  
Degree or D*

*Characteristic*

1 Linear

2 Quadratic

3 Cubic

7 nth degree

*Divisions based on the train of  
Transformation or T*

*Characteristic*

1 Linear transforma-  
tions

18 Special invariants

2 Quadratic transfor-  
mations

28 Special invariants

3 Cubic transformations

38 Special invariants

7 nic transformations

78 Special invariants

8 Special transforma-  
tions

*Special transformations by  
the Chronological Device  
(illustrative)*

8M63 Cremona transfor-  
mations

B27 Groups

B271 Finite groups

B28 Statistics

B281 Probability

B2813 Normal equations

B2817 Sampling

B2818 Theory of attri-  
butes

B282 Frequency curves

B283 Histograms

B284 Averages and  
index numbers

B285 Correlation

B286 Periodogram an-  
alysis

B29 Algebras

### B3 ANALYSIS

B31 Foundations

B311 Numbers

B3111 Ordinal

B3113 Cardinal

B3114 Transfinite

B313 Function-space

B313N08 Hilbert space

B316 Topology

B32 Calculus

B321 Differential cal-  
culus

B324 Partial differentia-  
tion

B325 Integral calculus

B3255 Definite integrals

B328 Multiple integrals

B33	Differential and integral equations	56	Solution by infinite series
B33 [E]: [D]: [O]: [P]		58	Singular solutions
<i>Divisions based on the train of</i>		6	Graphical solutions
Equation or E		7	Existence of solutions
Characteristic			
1	Ordinary	B34	Continuous groups
2	Simultaneous	B35	Differential forms
3	Total differential	B36	Infinite series
4	Partial	B361	Sequences
5	Integral	B362	Series of positive terms
<i>Divisions based on the train of</i>		B363	Alternating series
Degree or D		B365	Infinite products
Characteristic		B369	Divergent series
1	Linear	<i>Special series by the</i>	
2	Quadratic	<i>Chronological Device</i>	
3	Cubic	<i>(illustrative)</i>	
4	Quartic	B36M22	Fourier's
5	Quintic	B36M39	Dirichlet's
6	Sextic		
7	<i>n</i> th degree	B37	Real variable
<i>Divisions based on the train of</i>		B37 [V]; [P]	
Order or O		<i>Divisions based on the train of</i>	
Characteristic		Variable or V	
1	First	Characteristic	
2	Second	1	Single variable
3	Third	2	Two variables
4	Fourth	7	<i>n</i> variables
5	Fifth	<i>Divisions based on the train of</i>	
6	Sixth	Problem or P	
7	<i>n</i> th	Characteristic	
<i>Divisions based on the train of</i>		1	Integrals
Problem or P		<i>Special theories by the</i>	
Characteristic		<i>Chronological Device</i>	
1	Numerical solutions	<i>(illustrative)</i>	
5	Formal solutions	1M23	Cauchy integrals
52	Algebraic theory	1M54	Riemann integrals
53255	Solution by definite integrals		

# MATHEMATICS

1N02	Lebesgue integrals	5	Distribution of values
2	Analytic representation	59	Exceptional values
22	As a continued fraction	6	Conformal representation and uniformisation
23	As a definite integral		
26	As an infinite series	7	Maximum - minimum principles
265	As an infinite product		
4	Singularities	8	Inequalities and mean values
5	Distribution of values		
7	Maximum-minimum principles	92	Families of functions
8	Inequalities and mean values	B39	Special functions
92	Families of functions	B391	Elementary functions defined by a finite number of algebraic operations
B38	<b>Complex variable</b>		
	<b>B38 [V]: [P]</b>		
	<i>Divisions based on the train of Variable or V Characteristic</i>	B392	Integrals of algebraic functions
1	Single variable		<i>Subdivisions by the Chronological Device (illustrative)</i>
2	Two variables		
7	n variables		
	<i>Divisions based on the train of Problem or P Characteristic</i>	B392L57	Hyperbolic functions
1	Cauchy's theorem and complex integration	B392L84	Elliptic functions
2	Analytic representation	B392M26	Hyperelliptic functions
22	Approximation by polynomials	B392N11	Prym functions
23	As a contour integral	B393	Functions defined by contour integrals.
26	As an infinite series		<i>Subdivisions by the Chronological Device (illustrative)</i>
265	As an infinite product		
3	Analytic continuation		
4	Singularities	B393L30	Eulerian functions, gamma functions
41	Poles		
45	Essential singularities		

# MATHEMATICS

B393M09 Lie functions  
 B393M24 Bessel functions, cylindrical harmonics

B394 Functions defined by differential and integral equations

*Subdivisions by the  
 Chronological Device  
 (illustrative)*

B394L85 Laplace function, Legendere function, spehrical harmonics

B394M28 Green's function, harmonic function

B394M39 Lamé's function, ellipsoidal harmonics

B394M73 Mathieu's functions

B396 Functions defined by infinite series and products

*Subdivisions by the  
 Chronological Device  
 (illustrative)*

B396M12 Hypergeometric series, Hermite's functions

B396M31 Integral functions

B396M59 Zeta function

B397 Functions defined by groups, automorphic functions

B398 Functions of position defined in the manner of Riemann

B399 Functions qualitatively defined

B399M42 Meromorphic functions

B399N17 Quasi-analytic functions

B399N23 Almost periodic functions

## B4 OTHER METHODS

B41 Calculus of finite differences

B42 Calculus of variations

B43 Calculus of functional analysis

B44 Graphical calculus and nomography

B45 Quaternions

B46 Vector analysis etc.

B463 Tensor calculus and absolute calculus

B466 Vector analysis

B48 Operational calculus

B491 Mathematical calculations

## B5 TRIGONOMETRY

B52 Plane trigonometry

B53 Spherical trigonometry

# MATHEMATICS

## B6 GEOMETRY

### B6 [S]: [M]

*Divisions based on the train of  
Space or S  
Characteristic*

- 1 Foundations
- 2 Plane
- 21 Configurations essentially made up of points and straight lines only
- 22 Curves of the second degree
- 23 Curves of the third degree
- 24 Curves of the fourth degree
- 25 Curves of the fifth degree
- 27 Algebraic curves in general
- 28 Transcendental curves
- 3 Three dimensions
- 31 Configurations essentially made up of points, straight lines and planes only
- 32 Surface of the second degree
- 33 Cubic surface
- 34 Quartic surface
- 36 Curves in space
- 36M47 Knots
- 4 Four dimensions
- 5 Five dimensions

- 7 *n* dimensions
- 9 Non-Euclidean
- 91 Elliptic
- 92 Hyperbolic
- M46 Line-complex

*Divisions based on the train of  
Method or M  
Characteristic*

- 1 Enumerative
- 2 Algebraic
- 23 Elementary co-ordinate geometry
- 25 Algebraic geometry with the use of higher algebra
- 3 Differential geometry
- 32 Infinitesimal geometry
- 34 With the aid of vectors
- 35 Higher differential geometry
- 4 Practical geometry
- 5 Descriptive geometry
- 6 Pure geometry
- 7 Projective geometry including differential projective geometry

## B7 MECHANICS

*Divisions based on the train of  
Matter or M  
Characteristic*

- 1 Solids
- 11 Particles
- 117 Systems of particles.
- Chains
- 12 Surfaces



# MATHEMATICS

127	Systems of surfaces.	222	Multiple forces
	Flexible surfaces	224	Impulses
13	<b>Rigid bodies</b>	24	Constrained motion
137	Systems of rigid bodies. Jointed frames	25	Irrotational
15	Elastic bodies	251	Streamline
19	Special systems	253	Turbulent
192	Tops. Gyroscopes	254	Discontinuous
193	Ballistics	26	Rotational
196	Pendulums	291	Motion of solids (in liquids and gases)
5	<b>Liquids</b>	3	<b>Equilibrium.</b>
51	Perfect		<b>Statics</b>
55	Compressible	391	Floating bodies
56	Viscous	5	<b>Vibrations</b>
8	<b>Gases</b>	55	Waves
		61	Tautochrones
		63	Brahystochrones
		66	Isochronism

*Divisions based on the train of  
Problem or P  
Characteristic*

1	Fundamental principles
11	Inertia
111	Centre
112	Moments and axes
12	D'Alembert's
13	Hamilton's. Least action
15	<b>Archimedes'</b>
151	Centre of pressure
162	Virtual velocity
163	Virtual work
2	<b>Motion. Dynamics</b>
21	Kinematics
22	Kinetics
221	Single force. Central forces

## B8 PHYSICO-MATHEMATICS

B82	Potential function and attraction
B85	Wave function

## B9 ASTRONOMY

### B9 [B]: [P]

*Divisions based on the train of  
Body or B  
Characteristic*

1	Earth
2	Moon
3	Sun
4	Planets
41	Mercury and infra-Mercurial
42	Venus
43	Mars

# MATHEMATICS

44	Asteroids	161	Sidereal time
45	Jupiter	162	Local time
46	Saturn	165	Standard time
47	Uranus	17	<b>Calendars</b>
48	Neptune	18	Eras
49	Trans-Neptunian	2	<b>Geodetic astronomy</b>
5	<b>Meteors and comets</b>	21	Geographical positions
51	Meteors	22	Meridian
52	Comets	23	Longitude
55	Zodiacal light	24	Latitude
6	<b>Stars</b>	5	<b>Spherical astronomy</b>
61	Constellation stars	51	Celestial sphere and coordinates
62	Double stars	52	Reduction to centre of earth
63	Multiple stars	521	Refraction
64	Clusters and nebulae	5212	Dip of horizon
641	Milky way	5215	Twilight
7	<b>Planetary systems</b>	522	Parallax
78	Satellites	53	Correction for move- ment of earth
<i>Divisions based on the train of</i>			
	<b>Problem or P</b>	531	Aberration
	<b>Characteristic</b>	532	Annual parallax
1	<b>Chronology</b>	535	Star reduction
11	Year	55	Position of the pole
112	Lunar year	56	Ecliptic
113	Solar year	57	<b>Eclipses</b>
12	Month	575	Occultations
122	Lunar month	578	Transits
123	Solar month	58	Calculations of ephi- merides
13	Week	6	<b>Physical astronomy, astrophysics</b>
14	Day	61	Position
143	Solar day	611	Movement
1431	True solar day	62	Constants
1432	Mean solar day	621	Dimensions and figure
1435	Equation of time		
146	Sidereal day		
15	Subdivision of day		
16	Time reckoning		

# MATHEMATICS

622	Mass	7	Theoretical astro-
623	Density		nomy, celestial me-
624	Distance		chanics
63	Rotation and surface	72	Orbits
631	Rotation	73	Problem of three
635	Surface		bodies
6358	Atmosphere	74	Perturbations, plane-
			tary theory
642	Temperature	75	Perturbations, lunar
643	Radiation		theory
652	Brightness	76	Rotation and figures of
653	Spectroscopy		equilibrium
67	Age	77	Perturbed rotation
		78	Tides
68	Constitution	8	Cosmogony

## C PHYSICS

<i>Canonical divisions</i>		8	Gases
C1	Fundamentals	85	Molecular rays
C2	Properties of matter	86	Corpuscular rays
C3	Sound	863	Canal rays, $\alpha$ rays
C4	Heat	866	Cathode rays, $\beta$ rays
C5	Light, radiation		
C6	Electricity		
C7	Magnetism		
C8	Cosmic hypotheses		
	(time, space, energy, matter)		
	<b>C1 Fundamentals</b>	1	<b>Density</b>
3	Matter	2	<b>Hardness, touch, taste, smell</b>
31	Weight	5	<b>Elasticity</b>
38	Gravitation	51	Elongation
4	Energy	52	Bending
5	Space	53	Elasticity of volume
51	Linear dimensions	55	Elasticity of shape
52	Areas	6	<b>Capillarity etc.</b>
53	Volumes	61	Capillarity
6	Time	62	Surface tension
	<b>C2 PROPERTIES OF MATTER</b>	63	Viscosity
	<b>C2 [S]: [P]</b>	7	<b>Pressure</b>
	<i>Divisions based on the train of State or S Characteristic</i>	76	<b>Vacuum</b>
1	Solids		<b>C3 SOUND</b>
16	Crystals		<b>C3 [W]: [P]</b>
5	Liquids		<i>Divisions based on the train of Wave length or W Characteristic</i>
		1	Audible sound
		2	Infra sound
		5	Ultra sound

# PHYSICS

*Divisions based on the train of  
Problem or P  
Characteristic*

1	Propagation
11	Velocity
12	Reflection
13	Refraction
2	Intensity
3	Pitch etc.
31	Pitch
33	Musical scale
35	Resonance
358	Resonators
38	Analysis
5	Beats, diffraction, interference
8	Nature

## C4 HEAT

*Divisions based on the train of  
Problem or P  
Characteristic*

1	Transference
13	Convection
14	Conduction
15	Radiation
2	Thermometry
21	Low temperature mea- surement
27	Pyrometry (high tem- perature measure- ment)
29	Thermometers
3	Calorimetry etc.
31	Calorimetry
32	Quantity of heat
33	Specific heat

4	Expansion of bodies
5	Change of state
51	Fusion
511	Solidification
512	Melting point
513	Change of volume during fusion
514	Latent heat of fusion
52	Sublimation
55	Vaporization, evapora- tion, ebullition
551	Liquefaction
552	Boiling point
554	Latent heat of vapori- zation
58	Critical state
582	Critical point

7	Thermodynamics
71	First law
714	Mechanical equivalent of heat
72	Second law
722	Absolute temperature
73	Third law
8	Nature of heat

## C5 LIGHT. RADIATION

### C5 [W] : [P]

*Divisions based on the train of  
Wave length or W  
Characteristic*

1	Visible rays
12	Red
13	Orange
14	Yellow
15	Green

# PHYSICS

- 16 Blue
- 17 Indigo
- 18 Violet
- 2 Ultra violet rays
- 3 X-rays
- 4 Gamma rays
- 5 Cosmic rays
- 6 Infra red rays
- 7 Hertzian waves

*Divisions based on the train of  
Problem or P  
Characteristic*

- 1 Propagation
- 11 Velocity
- 12 Reflection
- 13 Refraction
- 2 Photometry
- 3 Dispersion, spectroscopy
- 31 Technique of the spectrum
- 32 Continuous spectrum
- 33 Band spectrum
- 34 Line spectrum
- 38 Effects

*Special effects by the  
Chronological Device  
(illustrative).*

- 38M76 Kerr effect
- 38M96 Zeeman effect
- 38N13 Stark effect
- 38N23 Compton effect
- 38N28 Raman effect
- 5 Interference etc.
- 51 Interference
- 55 Diffraction
- 58 Scattering

- 6 Double refraction and polarization
- 65 Elliptic polarization
- 68 Rotatory polarization
- 7 Absorption etc.
- 71 Absorption
- 72 Emission
- 73 Fluorescence
- 74 Phosphorescence
- 8 Nature of light

*Special theories by the  
Chronological Device  
(illustrative)*

- 8K75 Corpuscular theory
- 8K90 Wave theory
- 8M00 Elastic solid theory
- 8M65 Electromagnetic theory

## C6 ELECTRICITY C6 [E] : [P]

*Divisions based on the train of  
Electricity or E  
Characteristic*

- 2 Current electricity
- 23 Direct current
- 24 Alternating current
- 242 Two-phase
- 243 Three-phase
- 248 Multiphase
- 25 Weak current
- 3 Statical electricity

*Divisions based on the train of  
Problem or P  
Characteristic*

- 1 Production, storage, propagation
- 11 Primary cells



# PHYSICS

- 12 Induction
- 14 Conduction
- 141 Dielectrics
- 15 Radiation
- 18 Secondary cells.
- Storage

- 2 Potential
- 3 Measurement
- 4 Transformation in-  
to other forms of  
energy.

- 44 Thermo-electricity
- 45 Photo-electricity
- 47 Magneto-electricity
- 8 Nature of electri-  
city

## C7 MAGNETISM

### C7 [M] : [P]

*Divisions based on the train of  
Magnetism or M*

- Characteristic*
- 2 Dia magnetism
- 3 Para magnetism
- 4 Ferro magnetism
- 5 Terrestrial magne-  
tism

*Divisions based on the train of  
Problem or P  
Characteristic*

- 2 Intensity
- 8 Nature

## C8 COSMIC HYPOTHESES

(Time, space, energy, matter)

*Special theories by the  
Chronological Device  
(illustrative)*

- C81 Time, space

*Special theories by the  
Chronological Device  
(illustrative)*

- C81N05 Relativity (special)

- C82 Energy, matter
- Special theories by the  
Chronological Device  
(illustrative)*

- C82N26 Wave mechanics,  
statistical mecha-  
nics

- C83 Matter
- Special theories by the  
Chronological Device  
(illustrative)*

- C83M57 Kinetic theory
- C83M95 Electron theory
- C83M96 Radioactivity

- C84 Energy
- Special theories by the  
Chronological Device  
(illustrative)*

- C84K86 Gravitation
- C84M60 Ether theory
- C84M65 Electromagnetic  
theory

- C84N01 Quantum theory

- C85 Space
- C86 Time
- C8N05 Relativity  
(general)

## D ENGINEERING

D [W]: [P]: [E]

D6—[S]: [P]: [E]

<i>Divisions based on the train of</i>		411	<b>Roads, highways</b>
	<b>Work or W</b>	4111	Wood paved
	<b>Characteristic</b>	4112	Earth
<b>1</b>	<b>Building and building material</b>	4113	Macadam
		41131	Water bound
		41132	Tar bound
11	Wood	4114	Stone paved
12	Earth	4115	Cement
124	Refractory materials	4116	Reinforced concrete
13	Brick	4117	Asphalt
14	Stone	4119	Other kinds
141	Granite		
143	Sand stone	<b>415</b>	<b>Rail roads</b>
15	Cement	4151	Street railways
16	Reinforced concrete	4152	Light railways
18	Steel and other metals	4153	Ordinary railways
		41531	Narrow gauge
19	Others	41532	Metre gauge
191	Plywood	41533	Standard gauge
194	Caves	41534	Broad gauge
		4154	Underground rail-ways
<b>2</b>	<b>Irrigation and drainage work</b>	4156	Mountain railways
24	Underground water	<b>416</b>	<b>Bridges</b>
26	River	4161	Wooden
27	Tank	4162	Suspension
28	Drainage	4163	Masonry
284	Subsoil	4164	Stone
		4165	Culverts
<b>3</b>	<b>Mining</b>	4166	Reinforced concrete
<b>4</b>	<b>Transport—track</b>	4168	Steel
41	Land transport	4169	Other bridges

# ENGINEERING

41698	Cantilever	515328	Trucks for heavy goods
4194	Tunnels	51533	Passenger carriages
42	Water transport	515331	Saloons
421	Inland canal	515332	Higher class carriages
423	River	515333	Lower class carriages
424	Inter-oceanic canal	515334	Military carriages
425	Ocean	515335	Dining cars
4254	Submarine	515336	Tourist carriages
43	Air transport	52	Water transport vehicles
44	Rope ways	521	Boats
5	Transport—vehicles	523	Steam boats
51	Land transport vehicles	525	Ships
511	Vehicles carried by muscular power	5251	Sailing ships
5111	Palanquin	5253	Steam and motor ships
5112	Chairs	52532	Cargo ships
5113	<i>Dolies</i>	525325	Old ships
512	Vehicles drawn by muscular power	52533	Passenger ships
5121	Country carts	52534	Men-of-war
5122	Spring carts	5254	Submarines
5125	Cycles	53	Air vehicles
513	Vehicles drawn by mechanical power	531	Air vehicles lighter than air
5132	Motor trucks	535	Air vehicles heavier than air
5133	Motor cars	54	Stratosphere vehicles
5135	Motor cycles	6	Mechanical engineering
515	Railroad vehicles	62	Principles of mechanism and special devices
5151	Tram cars	621	Shafting
5153	Railway carriages		
51532	Railway trucks		
515321	Open trucks		
515322	Parcel vans		
515323	Animal van		
515325	Oil vans		

# ENGINEERING

6211	Shaft	64	Heat engines
62115	Flexible shaft	641	External combustion engines, steam engines
6212	Bearings		
62121	Journal bearings		
62122	Pillow blocks, hanger brackets	643	Piston engines
		645	Turbines
62123	Pivot bearings	646	Internal combustion engines
62124	Collar bearings		
62125	Ball and roller bearings	6465	Oil engines
		6466	Diesel engines
622	Belt gearing	6467	Gas engines
6221	Pulleys	6468	Hot air engines
6222	Belting		
6223	Belt shifters	66	Electrical engineering
6224	Rope transmission		
6225	Chain gearing	663	Direct current
6226	Link belting	664	Alternating current
623	Toothed gearing, cams	6642	Two-phase
		6643	Three-phase
624	Screws	6648	Multi-phase
625	Springs	665	Weak current
626	Valve gear	666	Wireless, high frequency
627	Lubrication		
6291	Governors, regulation and control	8	Municipal and sanitary engineering
6292	Speed and revolution indicators	85	Water supply
6296	Dynamo-meters	851	Sources and head works
635	Hydraulic engineering	8514	Underground
		85141	Wells
6351	Water wheel	85144	Artesian wells
6353	Piston engines	8517	Rivers
6355	Turbines	8518	Reservoirs, tanks, lakes
638	Pneumatic engineering	854	Pollution
		855	Purification
6381	Windmill		
6385	Turbines	8551	Mechanical treatment
6387	Compressed air		

# ENGINEERING

85511	Settling		<i>Divisions based on the train</i>
85512	Filtration		<i>of Part or P</i>
855121	Natural		<i>Characteristic</i>
855122	Sand		<i>(For Building and its</i>
855128	Domestic filters		<i>subdivisions)</i>
8552	Physical treatment	1	Earth work
85525	Ultra violet ray	2	Foundations
85526	Electrical	3	Floor
8553	Chemical treatment	4	Supports
		41	Walls
		45	Pillars
		5	Stair ways
		6	Roofs
		61	Beams and trusses
		62	Rafters
		63	Roof covering
		7	Windows
		72	Window frames
		75	Window gratings
		78	Window shutters
		8	Doors
		82	Door frames
		85	Hinges
		88	Door proper
		89	Fastening devices
		9	Ventilation, etc.
		91	Domestic water supply
		92	House drainage
		93	Ventilation
		94	Heating, cooling
		95	Lighting
		98	Sanitary fittings
		996	Lightning protection
			<i>(For 2 Irrigation and its</i>
			<i>subdivisions)</i>
		1	Source, catchment
		2	Head works

# ENGINEERING

3	Surplus works	7	Dangers and accidents
4	Distributive works		
5	Cross- drainage works.	71	Fire damp
		72	Mine fires
8	Flood protecting and river training work	73	Crushing and fall of ground
	(For 3 Mining and its subdivisions)	74	Flooding
		75	Accidents to miners
1	Preliminaries	76	Rescue and relief
11	Excavation	92	Drainage
12	Quarrying	93	Ventilation
13	Drilling, blasting	94	Heating, cooling
14	Deep boring	95	Lighting
15	Shaft sinking		(For 411 Roads and its subdivisions)
16	Tunnelling and drifting	1	Earth work
17	Stoping	2	Foundation
18	Timbering, masonry lining	3	Surface
		4	Gradients
2	Ore dressing	5	Curves
21	Preliminary operations	6	Pavements
22	Hand dressing	7	Berms, avenue, etc.
23	Crushing, stamping engine	8	Gates, traps
		9	Other parts
24	Screening	92	Drainage arrangement
25	Jigging, ore concentrators	94	Signals
			(For 415 Railways and its subdivisions)
26	Slime treatment		
27	Magnetic separation	1	Earth work
28	Washing	2	Foundation
29	Dressing works	3	Surface
4	Hoisting, transport	31	Ballast
44	Underground roads	33	Sleepers
45	Vehicles	35	Rails
46	Haulage	4	Gradients
47	Hoist and elevators	5	Curves
48	Surface transport	6	Banks, cuttings

# ENGINEERING

7	Berms
8	Station yards
85	Points and crossings
87	Platforms
9	Other parts
92	Drainage
94	Signals

*(For 416 Bridges and its subdivisions)*

1	Earth work
2	Foundation
4	Piers, abutments and wing walls
5	Wind bracings, parapets, etc.
6	Bridge proper
8	Approaches, river training works

*(For 42 Waterways and its subdivisions)*

1	Earth work, dredging
4	Locks
7	Towpaths
8	Harbours
87	Jettys, piers
88	Docks
94	Signals

*(For 43 Airways and its subdivisions)*

8	Aerodromes
94	Signals

*(For 5 Vehicles and its subdivisions)*

1	Wheels and tyres
2	Axle

5	Springs
6	Body
61	Steps
63	Floor
64	Supports
65	Stairways
66	Roof
67	Windows
68	Doors
7	Propelling arrangement
8	Braking arrangement

*Divisions based on the train of Secondary work or S Characteristic*

*(For 6 Mechanical Engineering and its subdivisions)*

1	Generation
2	Transmission
3	Transformation
4	Traction

*(To be subdivided on the analogy of Work Division 5)*

5	Illumination
6	Machinery
7	General machinery
71	Lifts
711	Jacks, derricks
712	Elevators
72	Hoisting machinery
73	Conveying machinery
74	Pressing machinery
8	Workshop machinery
81	Planing machines



# ENGINEERING

811	Planers	9MJ381	Rice husking machines
812	Shapers		
813	Slotting machines		<i>Subdivisions of divisions based on the train of</i>
814	Grooving machines		<i>Secondary work or S</i>
82	Turning machines		<i>Characteristic (illustrative)</i>
821	Lathes		<i>(For 64 Heat engines and its subdivisions)</i>
824	Screw cutting machines		
825	Milling machines	1	Generation
831	Saws	12	Engine room
835	Shears	121	Engine
84	Perforating machines	15	Fuel
841	Punching machines		<i>(For 66 Electrical engineering and its subdivisions)</i>
8418	Multiple punching machines	1	Generation
845	Drilling machines	11	Prime mover and its adjuncts
851	Filing machines		
852	Emery wheels	1135	Hydraulic
853	Grind stones	114	Heat engine
854	Abrasives	12	Generating room
86	Bending machines including straightening machines	121	Generator
			<i>Special types indicated by Chronological Device</i>
87	Hammers	122	Cables to the bus room
88	Crushing machines		
9	Other machinery	123	Metering transformers
	<i>Divisions by the Subject Device (Illustrative)</i>	1234	Circuit breakers
		125	Switch-gear
9D201	Excavating machinery	126	Condenser well
		13	Bus structure
9D85	Pumping machinery	131	Buses
9M14	Printing machinery	132	Feeders
9M7	Textile machinery	133	Metering transformers
9MC421	Refrigerating machinery	134	Circuit breakers
9MJ38	Flouring machines	14	Transformers

# ENGINEERING

15	Switch-gear	113	Frames
16	Control room	114	Moving loads
18	Storage	115	Retaining walls
<b>2</b>	<b>Transmission</b>	116	Slabs
21	Overhead	117	Arches
24	Underground	118	Wind stresses
254	Submarine	<b>13</b>	<b>Graphical statics</b>
29	Special problems	<b>15</b>	<b>Hydraulics</b>
291	Corona	151	Catchment
292	Insulation	155	Flow
294	Short circuits	1551	In pipes
296	Lightning protection	1552	In channels
<b>3</b>	<b>Transformation</b>	<b>18</b>	<b>Pneumatics</b>
31	Voltage	185	Flow
32	Current	1851	In tubes
33	Frequency	1858	Air currents
34	Phase	<b>2</b>	<b>Surveying</b>
36	A. C. to D. C. and <i>vice versa</i>	21	Levelling
38	Motors	22	Land surveying
<b>4</b>	<b>Transport</b>	221	Theodolite survey
		28	Aerial surveying
<i>In addition to the divisions under '5 transport' the following are to be used</i>		<b>32</b>	<b>Strength of mate- rials</b>
45	Television	<b>35</b>	<b>Elastic stability</b>
47	Telegraphy	<b>4</b>	<b>Design, drawing</b>
48	Telephony	<b>5</b>	<b>Specifi c a t i o n s, quantities</b>
485	Broadcasting	<b>6</b>	<b>Estimates, values</b>
		<b>7</b>	<b>Construction, exe- cution</b>
<i>Divisions based on the train of Engineering or E Characteristic</i>		<b>71</b>	<b>Earthwork and ex- cavation</b>
<b>1</b>	<b>Applied mechanics</b>	<b>78</b>	<b>Measurements</b>
<b>11</b>	<b>Structural mecha- nics</b>	<b>8</b>	<b>Working, etc.</b>
111	Beams, cantilevers	<b>81</b>	<b>Testing</b>
112	Columns	<b>82</b>	<b>Maintenance</b>
		<b>825</b>	<b>Renewals</b>

# ENGINEERING

83	Working	e211	Voltage detectors
85	Repairs	e3	Current meters
<i>Divisions of Common Sub- division digit 'e'</i>		e31	Ammeters
<i>(illustrative)</i>		e32	Coulombmeters
<i>(For Work Division 66)</i>		e33	Ampere hour meters
e1	Resistance meters	e34	Voltameters
e11	Ohm meters	e4	Quantity meters
e12	Resistance-boxes	e41	Watt meters
e16	Wheatstone's bridge	e5	Energy meters
e2	Voltage meters	e51	Watt-hour meters
e21	Voltmeters	e52	Power-factor meters

## E CHEMISTRY

### E [P]: [S]

<i>Divisions based on the train</i>		231	Alloys
<i>of Problem or P</i>		232	Absorption, surface phenomena
<i>Characteristic</i>			
1	General	235	Colloids
11	Preparation	236	Emulsions
13	Isomorphism	237	Osmosis
14	Atomic weight, molecular weight	238	Aerosol
17	Periodic system	2381	Occlusion
2	Physical chemistry	24	Thermochemistry
21	Chemical combination and action	25	Photochemistry
211	Laws of chemical combination	26	Electrochemistry
213	Statics and dynamics of chemical action	27	Magnetochemistry
		28	Stereochemistry, etc.
		281	Allotropy
		282	Isomerism
		296	Radio chemistry
2131	Combustion, flame	3	Analytical chemistry
2133	Phase rule		
2136	Ionisation	33	Qualitative
214	Chemical affinity	34	Quantitative
215	Valency	35	Volumetric
22	Solutions	36	Gravimetric
2201	Solubility	39	Micromethods
2204	Thermal effect		
2205	Photo effects		
2206	Electrical effect		
2207	Magnetic effect		
221	Solids	04	Thermo methods
225	Liquids	05	Photo methods
228	Gases	06	Electro methods
23	Mixtures		
		4	Synthesis
		5	Extraction

*Subdivisions applicable to  
3 and its divisions*

# CHEMISTRY

<b>7</b>	<b>Biochemistry</b>	<b>10</b>	<b>Group 0</b>
<i>(All the divisions of E based on the train of P Characteristic are applicable to '7 Biochemistry')</i>		100	Helium (He)
<b>8</b>	<b>Manipulation</b>	101	Neon (Ne)
81	Oxidation, reduction	102	Argon (A)
82	Hydration, dehydration	104	Krypton (Kr)
831	Crystallisation	106	Xenon (Xe)
832	Sublimation	109	Radon (Rn)
835	Distillation		Niton (Nt)
84	Manipulation of temperature	<b>11</b>	<b>Group 1</b>
85	Indicator and test paper	110	Hydrogen (H)
856	Polarisation	1109	Lithium (Li)
86	Electrical methods	111	Sodium (Na)
87	Fermentation	112	Potassium (K)
871	Direct	1129	<i>Ammonium</i>
872	Indirect	113	Copper (Cu)
877	Symbiotic	114	Rubidium (Rb)
88	Catalysis	115	Silver (Ag)
89	Other methods	116	Cesium (Cs)
891	Reagents	117	Dysprosium (Dy) or (Ds)
892	Filtration	1179	Holmium (Ho)
893	Assaying	118	Gold (Au)
896	Glass-blowing	<b>12</b>	<b>Group 2</b>
897	Absorption	120	Beryllium (Be)
898	Recovery of waste	121	Magnesium (Mg)
91	Nomenclature, classification	122	Calcium (Ca)
95	Protection, painting, colouring	123	Zinc (Zn)
		124	Strontium (Sr)
		125	Cadmium (Cd)
		126	Barium (Ba)
		127	Erbium (Er)
		1279	Thulium (Tm) or (Tu)
<i>Divisions based on the train of Substance or S Characteristic</i>		128	Mercury (Hg)
		129	Radium (Ra)
<b>1</b>	<b>Inorganic substances</b>	<b>13</b>	<b>Group 3</b>
		130	Boron (B)

# CHEMISTRY

131	Aluminium (Al)	161	Sulphur (S)
132	Scandium (Sc)	162	Chromium (Cr)
133	Gallium (Ga)	163	Selenium (Se)
134	Yttrium (Yt) or (Y)	164	Molybdenum (Mo)
135	Indium (In)	165	Tellurium (Te)
136	Lanthanum (La)	166	Samarium (Sm)
137	Ytterbium (Yb)	1669	Europium (Eu)
1379	Lutecium (Lu)	167	Tungsten (W)
138	Thallium (Tl)	168	Polonium (Po)
139	Actinum (Ac)	169	Uranium (U)
14	<b>Group 4</b>	17	<b>Group 7</b>
140	Carbon (C)	170	Fluorine (F)
141	Silicon (Si)	171	Chlorine (Cl)
142	Titanium (Ti)	172	Manganese (Mn)
143	Germanium (Ge)	173	Bromine (Br)
144	Zirconium (Zr)	174	Masurium (Ma)
145	Tin (Sn)	175	Iodine (I) or (J)
146	Cerium (Ce)	176	Gadolinium (Gd)
1469	Praseodymium (Pr)	1769	Terbium (Tb)
147	Celtium (Ct) or (Hf)	177	Rhenium (Re)
148	Lead (Pb)	18	<b>Group 8</b>
149	Thorium (Th)	182	Iron (Fe)
15	<b>Group 5</b>	1829	Nickel (Ni)
150	Nitrogen (N)	183	Cobalt (Co)
151	Phosphorus (P)	184	Ruthenium (Ru)
152	Vanadium (V)	1849	Palladium (Pd)
153	Arsenic (As)	185	Rhodium (Rh)
154	Columbium (Cb) Niobium (Nb)	187	Osmium (Os)
155	Antimony (Sb)	1879	Platinum (Pt)
156	Neodymium (Nd)	188	Iridium (Ir)
157	Tantalum (Ta)	191	Metals
158	Bismuth (Bi)	1911	Noble metals
159	Protoactinium (Pa)	1917	Radio-active metals
16	<b>Group 6</b>	192	Rare elements
160	Oxygen (O)	193	Alloys
		195	Non-metals
		196	Isotopes
		198	Air, gases

# CHEMISTRY

2	Hydroxyls, basic oxides <i>(To be divided by the constituent element and its valency)</i>	64	Di-olefines or allenes
		641	Allenes
		65	Acetylene series
27	Binaries other than water, which are neither hydroxyls nor acids nor salts <i>(To be divided successively by the two constituent elements and their respective valencies)</i>	651	Acetylene
		652	Allylene
		658	<i>n</i> th homologue
		67	Alcyclic compounds; camphors and terpenes
		68	Carbohydrates
		681	Monosaccharides
3	Acids, acidic oxides <i>(To be divided by the constituent element and its valency)</i>	6811	Pentoses (arabinose)
		6813	Hexoses (glucose)
		682	Disaccharides
		6821	Maltose
		683	Trisaccharides
4	Salts <i>(To be divided by the constituent elements and their respective valencies)</i>	688	Polysaccharides
		6891	Pentosans
		6892	Starch
		6893	Gums
5	Organic substances	6894	Cellulose
6	Aliphatic compounds	6898	Glucosides
61	Paraffins	7	Aromatic compounds
611	Methane	71	Aromatic hydrocarbons
612	Ethane	711	Benzene
613	Propane	712	Naphthalene
614	Butanes	713	Anthracene
615	Pentanes	72	Reduced aromatic compounds
616	Hexanes	8	Heterocyclic compounds
618	<i>n</i> th homologue	9	Bio-substances
63	Olefines	92	Alkaloids
632	Ethylene		
633	Propylene		
634	Butylenes		
638	<i>n</i> th homologue		



# CHEMISTRY

92J	Vegetable alkaloids		<i>Other substances by the</i>
92K	Animal alkaloids		<b>Subject Device</b>
92Z	Proteins		<i>Divisions based on the train of</i>
92ZJ	Vegetable proteins		<b>Combination or C</b>
92ZK	Animal proteins		<i>Characteristic</i>
94	Fats		<i>(For substance numbers</i>
95	Pigments	1	<i>5, 6, 7 and 8)</i>
96	Lipins	2	<b>Halogen derivatives</b>
97	Vitamins		<b>Hydroxyls alcohols</b>
971	Vitamin A	28	<b>phenols</b>
972	Vitamin B		<b>D e r i v a t i v e s o f</b>
973	Vitamin C	281	<b>alcohol</b>
974	Vitamin D	283	<b>Ethers</b>
975	Vitamin E	285	<b>Aldehydes</b>
977	Vitamin G		<b>Ketones</b>
981	Chlorophyll	3	<b>Organic acids</b>
9814	Porphyrine	38	<b>Derivatives of acids</b>
982	Enzymes	383	<b>Esters</b>
9821	Oxidases	385	<b>Anhydrides</b>
9822	Hydrolytic enzymes	5	<b>Nitrogen com-</b>
986	Hormones		<b>pounds</b>
993	Creatine and creati-	51	<b>Amino-compounds</b>
	nine	537	<b>Azo-compounds</b>
994	Pectin	55	<b>Diazo-compounds</b>
996	Sterids	57	<b>Nitro-compounds</b>
998	Tannin	59	<b>Other nitrogen com-</b>
			<b>pounds</b>
		591	<b>Cyanogen c o m-</b>
			<b>pounds</b>
		6	<b>Sulphur c o m-</b>
			<b>pounds</b>
		8	<b>Compounds with</b>
			<b>other elements</b>

## F TECHNOLOGY

F [S]: [P]

<i>Divisions based on the train of</i>		56	Drugs
Substance or S		57	Textiles
Characteristic		573	Artificial silk
<i>Same as in E Chemistry and</i>		58	Dyes
<i>in addition the following</i>		5895	Paints
4414	Refractory materi-	5897	Tanning materials
	als	594	Poisons
4416	Enamels	596	Spices, condiments
527	Celluloid	5964	Vinegar
54	Alcohols	943	Edible oils
547	Wines	9491	Candles
548	Beer	9495	Drying oils
55	Fuels	9496	Soaps
551	Coal		
555	Petroleum		
5552	Petrol		
558	Fuel gas		
5591	Matches		
5594	Explosives		

# G NATURAL SCIENCE (GENERAL) AND BIOLOGY

G [O]:[P]

<i>Divisions based on the train of</i>		<i>Divisions based on the train of</i>	
	<b>Organ or O Characteristic</b>		<b>Problem or P Characteristic</b>
<b>1</b>	<b>Basic and regional Life</b>	<b>1</b>	<b>Preliminaries</b>
<b>11</b>	<b>Cells</b>	<b>11</b>	<b>Nomenclature, clas- sification</b>
<b>111</b>	<b>Cell membrane</b>	<b>12</b>	<b>Natural history</b>
<b>1115</b>	<b>Cilia</b>	<b>13</b>	<b>Popular description</b>
<b>112</b>	<b>Cytoplasm</b>	<b>14</b>	<b>Pictures</b>
<b>1121</b>	<b>Cytoplasm proper</b>	<b>17</b>	<b>Collecting</b>
<b>1122</b>	<b>Centrosome</b>	<b>18</b>	<b>Lists</b>
<b>1123</b>	<b>Chondriosomes</b>	<b>19</b>	<b>Microscopy</b>
<b>1124</b>	<b>Metaplastic bodies</b>	<b>192</b>	<b>Sectioning</b>
<b>113</b>	<b>Nucleus</b>	<b>195</b>	<b>Fixing</b>
<b>1131</b>	<b>Nuclear membrane</b>	<b>196</b>	<b>Mounting</b>
<b>1132</b>	<b>Chromatin</b>	<b>198</b>	<b>Staining</b>
<b>1133</b>	<b>Linin</b>	<b>1995</b>	<b>Microphotography</b>
<b>1134</b>	<b>Nuclear sap, karyo- lymph</b>	<b>2</b>	<b>Morphology</b>
<b>1135</b>	<b>Nucleoli</b>	<b>3</b>	<b>Physiology</b>
<b>11351</b>	<b>Karyosome</b>	<b>33</b>	<b>Metabolism</b>
<b>11352</b>	<b>Plasmosome</b>	<b>331</b>	<b>Anabolism</b>
<b>1137</b>	<b>Golgi apparatus</b>	<b>332</b>	<b>Katabolism</b>
<b>116</b>	<b>Gene</b>	<b>33C</b>	<b>Physical effects</b>
<b>12</b>	<b>Tissues</b>	<b>33C2</b>	<b>Material vibration and movement</b>
<i>Other organ numbers same as in</i>		<b>33C4</b>	<b>Heat production</b>
<b>L Medicine and I Botany</b>		<b>33C5</b>	<b>Radiation produc- tion. Mitogenetic- radiation</b>
<i>as the case may be.</i>			

# NATURAL SCIENCE (GENERAL) AND BIOLOGY

33C6	Electrical effects	573	Nutrition
33C7	Magnetic effects	575	Cleanliness, toilet
33E	Chemical effects	576	Regulation of habits
341	Inanition	58	Migration
345	Water fasting	59	Other habits
346	Fasting	6	Genetics, phylo- geny
<i>Each of the above three to be divided as 33</i>		61	Heredity
394	Fatigue	62	Variation
4	Pathology	63	Mutation
<i>(To be subdivided as in L Medicine)</i>		64	Hybridisation
		65	Survival of the fittest
5	Ecology	66	Evolution
51	Preliminaries	67	R e p r o d u c t i v e methods
511	Nomenclature, clas- sification	671	Abiogenesis
52	State control. Con- servation	674	Parthenogenesis
		675	Sexual
54	Prevention of disea- ses and injuries	676	Asexual
		677	Alternation of gene- rations
55	Environment		
551	Ground	7	Ontogeny
555	Water	71	Fertilisation
556	Season	72	Germination
5561	Spining	73	Embryology
5563	Summer	75	Growth after birth
5565	Autumn	751	New born
5567	Winter	752	Toddler
558	Air	753	Infant
56	Interrelation	755	Pre-adolescent
563	Parasitism	76	Adolescent
565	Intolerance, struggle	77	Adult
567	Symbiosis	78	Old age
571	Abode	791	Death

## H GEOLOGY

<i>Canonical divisions</i>		<i>Subdivisions as in</i>	
		<i>G Biology</i>	
		<i>and the following</i>	
		<i>additional divisions</i>	
H1	Mineralogy		
H2	Petrology		
H3	Structural geology		
H4	Dynamic geology	15	Prospecting
H5	Stratigraphy	155	Occurrence
H6	Palaeontology	16	Genesis
H7	Economic geology	164	Artificial production
H8	Cosmic hypothe- sis		
H1	MINERALOGY	8	Crystallography
	H1 [S]: [P]	811	Nomenclature, clas- sification
<i>Divisions based on the train of</i>			
<i>Substance or S</i>			
<i>Characteristic</i>		82	Structure, morpho- logy
<i>as in E Chemistry</i>			
<i>and the following</i>		821	Isometric
<i>additional divisions</i>		822	Tetragonal
9	Precious stones	823	Hexagonal
91	Diamond	8235	Trigonal and rhombohedral
92	Ruby and sapphire		
921	Ruby	824	Orthorhombic
922	Sapphire	825	Monoclinic
931	Opal	826	Triclinic
95	Topaz	84	Irregularities
96	Spinel	841	Twinning, gliding plane
98	Pearl		
9944	Agate	844	Pseudosymmetry
<i>Divisions based on the train of</i>			
<i>Problem or P</i>			
<i>Characteristic</i>		85	Inclusions
1	Preliminaries	864	Artificial production

# GEOLOGY

<b>H2 PETROLOGY</b>		1541	Dolerite
<b>H2 [S]: [P]</b>		1543	Tinguaite
<i>Divisions based on the train of</i>		<b>17</b>	<b>Plutonic rocks</b>
<b>Substance or S</b>		171	Arizonite, silexite
<b>Characteristic</b>		173	Rocks containing quartz and feldspars
<b>1</b>	<b>Igneous rocks</b>		
<b>11</b>	<b>Volcanic rocks</b>		
<b>113</b>	<b>Rocks containing quartz and feldspars</b>	1731	Granite
		1733	Tonalite, granodiorite
1131	Obsidian		
1132	Rhyolite	174	Rocks containing feldspars
1133	Dacite		
<b>114</b>	<b>Rocks containing feldspars</b>	1741	Syenite
		1744	Diorite
1141	Pitchstone	1747	Anorthite
1142	Trachyte	1748	Gabbros
1143	Andesite	175	Rocks containing feldspars feldspathoids, etc.
1144	Basalt		
1145	Tachylite		
<b>115</b>	<b>Rocks containing feldspars and feldspathoids</b>	1751	Nepheline syenite
		1752	Theralite
		1753	Teschenite
1151	Phonolite	1756	Ijolite
1152	Leucitophyre	1758	Peridotite picrite
1153	Limburgite	179	Other plutonic rocks
<b>119</b>	<b>Other volcanic rocks</b>	<b>2</b>	<b>Metamorphic rocks</b>
		21	Rocks due to regional metamorphism
<b>15</b>	<b>Hypabyssal rocks</b>		
1511	Aplites		
1512	Porphyries	211	Rocks derived from igneous rocks
1513	Lamprophyres		
1531	Granophyre	213	Rocks derived from sedimentary rocks
1532	Felsite		
<b>154</b>	<b>Rocks containing feldspars alone</b>	2131	Crystalline schists
		2132	Slates

# GEOLOGY

2133	Marble	3482	Ferruginous
2134	Steatite	34821	Bedded iron ores
23	Contact metamorphism	34823	Bog iron ores
231	Lime stone	35	Rocks due to organic origin
233	Shales and slates	3522	Calcareous
235	Conglomerate and sand	35221	Lime stone
3	Sedimentary rocks	35222	Dolomitic lime stone
31	Rudaceous	35223	Oolite and pisolitic lime stone
311	Conglomerate	35224	Abyssal ooze
312	Breccia	35225	Chalk
32	Arenaceous	3540	Carbonaceous
321	Sandstone	35401	Peat
322	Grit	35402	Lignite
323	Arkose	35403	Coal and anthracite
324	Quartzite	35404	Cannel and torbanite
325	Gannister	35406	Oil shale
326	Greywacke	35407	Asphalt and asphaltic impregnation
327	Silt stone	3541	Silicious
33	Argillaceous	35411	Chert and flint
331	Clay	35413	Silicious earth
3311	Fire clay	5	Meteorites
3312	Fuller's clay	<i>Divisions based on the train of Problem or P Characteristic (Same as those for mineralogy except '8')</i>	
3313	Aeolian clay		
3314	Abyssal clay		
3315	Volcanic clay		
3316	Residual clay	<b>H3 STRUCTURAL GEOLOGY</b>	
332	Mudstone		
333	Shale	H31	Stratification
335	Marl	H32	Joints and cleavage
336	Calcareous shale		
34	Chemical origin		
3422	Calcareous		
34221	Calcite		
3423	Dolomite		
3451	Phosphatic rocks		



## GEOLOGY

H33	Faults and folding
H34	Metamorphism
H35	Veins, dikes, necks, bosses
H36	Mountain building, orogeny

### H4 DYNAMIC GEOLOGY

H41	Hypogene, internal dynamics
H411	Volcanoes
H412	Geysers, hot springs
H413	Movements and earth's crust
H4131	Slow depression, upheavals
H4132	Earthquakes
H418	Other internal actions
H42	Epigene or super- ficial action, ex- ternal dynamics
H421	Glaciology
H422	Action of water
H4221	Rain
H4223	Floods
H4224	Underground water
H4225	Ocean
H4227	Rivers
H4228	Lakes

H423	Action of air
H424	Land slides
H426	Action of plants
H427	Action of animals
H428	Action of men

### H5 STRATIGRAPHY

H51	Archean eozoic, pre-Cambrian
H52	Primary, palaeo- zoic
H521	Cambrian
H522	Ordovician
H523	Silurian
H524	Devonian
H525	Carboniferous
H526	Permian
H53	Secondary, meso- zoic
H531	Triassic
H533	Jurassic
H534	Cretaceous
H54	Tertiary, cainozoic
H541	Eocene
H542	Oligocene
H543	Miocene
H544	Pliocene
H55	Quaternary
H551	Pleistocene
H555	Holocene or recent

# I BOTANY

I [N] : [P]

I [N] : 1—:[G]

I [N] : 5—:[G] : [O]

<i>Divisions based on the train</i>	2376	Phalloides
<i>of Natural group of plants</i>	27	Lichenes
<i>or N Characteristic</i>	3	Bryophyta
1 Cryptogamia	31	Hepaticæ, liver-
2 Thallophyta		worts
21 Protophyta (Bacte-	311	Marchantiales
ria, yeast, mi-	313	Jungermanniales
crobes)	315	Anthocerotales
22 Algae, sea-weeds	32	Musci, mosses
221 Cyanophyceæ, blue-	321	Sphagnales
green algæ	323	Andreaeales
223 Chlorophyceæ, green	325	Bryales
algæ		
225 Phæophyceæ brown	4	Pteridophyta
algæ	41	Ophioglossaceæ
227 Rhodophyceæ, red	42	Filicinæ, ferns
algæ	43	Equisetinæ, horse-
		tails
23 Fungi	44	Lycopodinæ, club-
231 Myxomycetes, slime		moss
fungi, mycetozoa	45	Psilotaceæ
233 Phyc o m y c e t e s,	5	Phane r o g a m i a,
mould		flowering plants
235 Ascomycetes, green	6	Gymnosperms
mould	61	Cycadaceæ, cycad
237 Basidio m y c e t e s,		family
mushrooms, rust	63	Ginkgoaceæ
2371 Smuts	65	Con i f e r æ, pine
2372 Rusts		family
2375 Mushrooms		

# BOTANY

67	Gnetaceæ, joint family	fir	785	Cyperaceæ
			786	Gramineæ
7	Monocotyledons		8	Dicotyledons
71	Microspermae		811	Ranalel
711	Hydrocharitaceæ		8111	Ranunculaceæ
712	Burmanniaceæ		8112	Dilleniaceæ
715	Orchidaceæ		8113	Calycanthaceæ
72	Epigynae		8114	Magnoliaceæ
721	Scitamineæ		8115	Anonaceæ
722	Bromeliaceæ		8116	Menispermaceæ
723	Hæmodoraceæ		8117	Berberidaceæ
724	Iridaceæ		8s18	Nymphaeaceæ
725	Amaryllidaceæ		812	Parietales
726	Taccaceæ		8121	Sarraceniaceæ
728	Dioscoreaceæ		8122	Papaveraceæ
73	Coronarieae		8123	Fumariaceæ
731	Roxburghiaceæ		8124	Crucifæ
732	Liliaceæ		8125	Capparidaceæ
733	Pontederiaceæ		8126	Cistaceæ
734	Philydraceæ		8127	Resedaceæ
735	Xyridæ		8128	Violaceæ
736	Commelinaceæ		81291	Canellaceæ
737	Mayaceæ		81292	Bixineæ
738	Rapataceæ		813	Polygalineae
74	Calycinae		8131	Pittosporæ
741	Flagellariæ		8134	Tremandrea
743	Juncaceæ		8132	Polygalaceæ
			8136	Vochysiaceæ
75	Palmae		814	Caryophyllinae
76	Nudiflorae		8141	Caryophyllaceæ
761	Pandanaceæ		8143	Frankeniaceæ
762	Cyclanthaceæ		8145	Tamariscineæ
763	Typhaceæ		8147	Portulaceæ
764	Aroideæ		815	Guttiferales
768	Lemnaceæ		8151	Elatineæ
77	Apocarpeae		8153	Hypericineæ
771	Triuridaceæ		8154	Guttiferæ (clusiaceæ)
772	Alismaceæ		8156	Ternstroemiaceæ
774	Naiadaceæ		8157	Dipterocarpaceæ
78	Glumaceae		8158	Chalænaeæ
781	Eriocaulonaceæ		816	Malvales
782	Centrolepideæ		8161	Malvaceæ
783	Restiaceæ			

# BOTANY

8162	Sterculiaceæ	8323	Rhizophoraceæ
8163	Tiliaceæ	8324	Combretaceæ
<b>821</b>	<b>Geraniales</b>	8325	Melastomaceæ
8211	Lineæ	8326	Lytharieæ
8212	Humiriaceæ	8328	Onagrarieæ
8213	Malpighiaceæ	<b>833</b>	<b>Passiflorales</b>
8214	Zygophylleæ	8331	Passifloreæ
8215	Geraniaceæ	8332	Samydaceæ
8216	Rutaceæ	8333	Loaseæ
8217	Simarubeæ	8334	Turneraceæ
8218	Ochnaceæ	8335	Datisceæ
82191	Burseraceæ	8336	Cucurbitaceæ
82192	Meliaceæ	8337	Begoniaceæ
82193	Chaillietiaceæ	<b>834</b>	<b>Ficoidales</b>
<b>822</b>	<b>Olacales</b>	8341	Cactaceæ
8221	Olacineæ	8344	Mesembryanthaceæ, ficoideæ
8222	Illicineæ	<b>835</b>	<b>Umbellales</b>
8223	Cyrilleæ	8351	Umbellifereæ
8225	Phytocreneæ	8355	Araliaceæ
8227	Aquifoliaceæ, ilicaceæ	8357	Cornaceæ
<b>823</b>	<b>Celastrales</b>	<b>841</b>	<b>Rubiales</b>
8231	Celastrineæ	8411	Caprifoliaceæ
8233	Hippocastanaceæ	8412	Rubiaceæ
8234	Stackhousiaceæ	<b>842</b>	<b>Asterales</b>
8236	Rhamnaceæ	8421	Valerianaceæ
8238	Ampelideæ, vitaceæ	8422	Dipsaceæ
<b>824</b>	<b>Sapindales</b>	8423	Calycereæ
8241	Sapindaceæ	8424	Compositæ
8243	Aceraceæ	<b>843</b>	<b>Campanales</b>
8244	Staphyleæ	8431	Stylideæ
8245	Sabiaceæ	8432	Goodenovieæ
8246	Anacardiaceæ	8433	Campanulaceæ
<b>831</b>	<b>Rosales</b>	<b>844</b>	<b>Ericales</b>
8311	Rosaceæ	8441	Vacciniaceæ
8312	Connaraceæ	8442	Ericaceæ
8313	Leguminosæ	8443	Monotropeæ
8314	Saxifragaceæ	8445	Epacrideæ
8315	Crassulaceæ	8446	Diapensiaceæ
8316	Droseraceæ	8448	Lennoaceæ
8317	Hamamelidaceæ	<b>845</b>	<b>Primulales</b>
8318	Bruniaceæ	8451	Plumbaginææ
83191	Halorageæ		
<b>832</b>	<b>Myrtales</b>		
8321	Myrtaceæ		

# BOTANY.

8452	Primulaceæ	883	Multiovulatae	terres-
8453	Myrsineæ		tres	
846	Ebenales	8831	Nepenthaceæ	
8461	Sapotaceæ	8832	Cytinaceæ	
8462	Ebenaceæ	8833	Aristolochiaceæ	
8463	Styraceæ	884	Micrembryeæ	
851	Gentianales	8841	Piperaceæ	
8511	Oleaceæ	8842	Chloranthaceæ	
8512	Salvadoraceæ	8843	Myristiceæ	
8513	Apocynaceæ	8844	Monimiaceæ	
8514	Asclepiadaceæ	885	Daphnales	
8515	Loganiaceæ	8851	Laurineæ	
8516	Gentianaceæ	8852	Proteaceæ	
852	Polemoniales	8853	Thymeleaceæ	
8521	Polemoniaceæ	8854	Penæaceæ	
8522	Hydrophyllaceæ	8855	Elæagnaceæ	
8523	Boraginææ	886	Achlamydosporeæ	
8524	Convolvulaceæ	8861	Loranthaceæ	
8526	Solanaceæ	8862	Santalaceæ	
853	Personales	8863	Balanophoreæ	
8531	Scrophularineæ	887	Unisexuales	
8532	Orobanchaceæ	8871	Euphorbiaceæ	
8533	Lentibulariææ	8872	Balanopseæ	
8534	Columelliaceæ	8873	Urticaceæ	
8535	Gesneraceæ	8874	Platanaceæ	
8536	Bignoniaceæ	8875	Leitneriææ	
8537	Pedalineæ	8876	Juglandææ	
8538	Acanthaceæ	8877	Myricaceæ	
861	Lamiales	8878	Casuarineæ	
8611	Myoporineæ	8891	Cupuliferæ	
8612	Selagineæ	89	Ordines anomali	
8613	Verbenaceæ	891	Salicineæ	
8614	Labiataæ	892	Lacistemaceæ	
871	Plantagineææ	893	Empetræææ	
88	Monochlamydeææ	894	Ceratophylleæ	
881	Curvembryeææ			
8811	Nyctagineæ			
8812	Illecebraceææ			
8813	Amarantaceææ			
8814	Chenopodiaceææ			
8815	Phytolaccaceææ			
8816	Batideææ			
8817	Polygonaceææ			
8821	Podostemaceææ			

*Divisions based on the train of*

*Problem or P*

*Characteristic*

*as in G Biology*

*with the following*

*additions*

# BOTANY

592	Creepers	14	Stem
593	Climbers	142	Cotyledonous buds
8	Paleobotany	147	Apical buds
		15	Leaf
		16	Flower
		17	Fruit
		178	Seeds
		197	Formative regions.
			Meristem
	<i>Divisions based on the train of</i>		
	<b>Organ or O</b>		
	<i>Characteristic</i>		
1	Basic and regional		
11	Cells		
12	Tissues		
13	Root		
131	Root hairs		
132	Secondary roots		
133	Primary root		
			<i>(For the functional system of organs, the divisions '2' to '8' of 'L Medicine' corresponding to the 'Organ' or 'O' Characteristic are to be used as far as applicable.)</i>

## J AGRICULTURE

J [U] [P] [C]: [F]

<i>Divisions based on the</i>		7	Fruits
<i>Utility or U</i>		8	Seeds
<i>Characteristic</i>			
1	Ornamental materials and basic materials for ornamental and industrial uses		<b>Crops</b>
			<i>Fixed by the Favoured Category Device and Alphabetic Device applied after division by U and P Characteristics (Illustrative)</i>
2	Food of animals	141	Bamboo
3	Food of mankind	142	Cane
4	Poisons, intoxicants	15C1	Cactus
5	Fuel	163	Chrysoanthemum
6	Spices, condiments, drugs	16C8	Cyclaman
		16P5	Phlox
7	Textile fibres, etc.	16S8	Sunflower
8	Dying and tanning materials	245	Maize
		248	Alfalfa
9	Oils, perfumes	251	Grass
		258	Sesbania Agustiflora
		281	Cotton seeds
		282	Horsegram
		321	Potato
		322	Sweet potato
		323	Corms
		324	Yam
		325	Indian kales
		326	Onion
		327	Garlic
<i>Divisions based on the</i>			
<i>Part or P</i>			
<i>Characteristic</i>			
1	Secretions		
2	Bulbs		
3	Roots		
4	Stem		
5	Leaves		
6	Flowers		



# AGRICULTURE

331	Beet root	386	Barley
332	Turnips	387	Millet
333	Carrots	388	Grams
334	Radish	38P1	Peas
33T1	Tapioca	411	Toddy
341	Sugarcane	433	Derris (Tuba roots)
344	Rubarb	451	Tea
351	Greens	452	Tobacco
352	Spinach	481	Coffee
353	Cabbage	482	Cocoa
354	Lettuce	483	Poppy
355	Celery	541	Casuarina
358	Betel	611	Asafoetida
361	Cauli flower	621	Ginger
371	Apple	622	Lesser galangal
372	Orange	631	Asparagus
373	Melons	641	Cinchona
374	Banana	651	Curry leaf
375	Pineapple	661	Cloves
376	Grape	671	Chillies
377	Mango	672	Cardamom
378	Tomato	673	Coriander
37B2	Beans	681	Pepper
37C1	Cucumbers	682	Mustard
37F1	Fig	685	Nutmeg
37G1	Guava	718	Rubber trees
37J1	Jack fruit	741	Jute
37P5	Plums, prunes	742	Hemp
37R1	Rashberry	743	Flax
37S1	Strawberry	744	Rushes
37T1	Tamarind	751	Esparto grass
37Z	Nuts	753	Agave
37Z1	Cashew nut	771	Cotton
37Z8	Brazil nuts	841	Indigo
381	Rice	842	Indian mulberry
382	Wheat	843	Mangrove
383	Oats	844	Gautier
384	Rye	845	Wattle (Mimosa)
385	Maize	846	Divi-divi

# AGRICULTURE

847	Sumach	1	13	Sandy	116
911	Frankincense	3	2	Alkaline	116
921	Turmeric	13	3	Acidic	116
931	Cuscus	31	4	Saline	116
961	Rose	31	5	Organic	116
971	Oil palm	31	151	Peat	116

*Divisions based on the train of*

981	Groundnut			<b>Operation or O</b>	
982	Cocoanut			<i>Characteristic</i>	
983	Sesame				
984	Castor plant		1	Reclamation and	
985	Rapeseed			protection	
986	Linseed		2	Levelling	
987	Mowra seed		3	Bunding	
988	Soyabean		4	Ploughing	

*Divisions based on the train of*

	<b>Farming or F</b>		5	Harrowing, hoeing	
	<i>Characteristic</i>		6	Clot-crushing	

1	Soil			<b>2 MANURE</b>	
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2	Manure			J [U] [P] [C] : 2 [S] : [O]	
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3	Propagation method			<i>Divisions based on the train of</i>	
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				<b>Substance or S</b>	
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				<i>Characteristic</i>	
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4	Control of diseases and injuries		1	Refuses	
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5	Crop development		11	Sweepings	
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7	Harvesting		12	Farmyard manure	
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91	Nomenclature, classification, etc.		13	Dung and urine	
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	<i>To be subdivided as</i>		131	Cattle	
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	<i>the Problem Division 1</i>		132	Horse	
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	<i>of G Biology</i>		133	Other animals	
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	<b>1 SOIL</b>		134	Birds, guano	
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	J [U] [P] [C] : 1 [N] : [O]		14	Human refuses	
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	<i>Divisions based on the train of</i>		2	Green manures	
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	<b>Nature or N</b>		21	Indigo	
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	<i>Characteristic</i>		22	Kolinji	
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1	Mineral		23	Dhaincha	
11	Clayey		24	Sunhemp	
12	Loamy		25	Cowpea	
			3	Bye products	
			31	Oilcakes	

# AGRICULTURE

311	Groundnut
314	Castor
318	Neem
32	Fish guano
34	Bone meal
35	Horn and hoof meal
38	Tannery refuse
4	Chemical manures
41	Potassic
45	Nitrogenous
46	Phosphetic
8	Less common elements

*Divisions based on the train of*

**Operation or O**

*Characteristic*

1	Nomenclature, classification, etc.
2	Gathering, etc.
23	Compositing
28	Storing
3	Applying
31	Spreading, harrowing
37	Plant manuring

## 3 PROPAGATION METHOD

J [U] [P] [C]: 3 [S]: [O]

*Divisions based on the train of*

**Substance or S**

*Characteristic*

1	Seed
2	Seedling
3	Cuttings
4	Layering
5	Grafting

*Divisions based on the train of*

**Operation or O**

*Characteristic*

1	Nomenclature, etc.
2	Gathering, etc.
21	Enarching
22	Drying
23	Sorting
24	Control of diseases
25	Cleaning
26	Curing
28	Storing
3	Sowing
4	Planting

## 4 CONTROL OF DISEASES AND INJURIES

J [U] [P] [C]: 4 [D]: [O]

*Divisions based on the train of*

**Disease or D**

*Characteristic*

41	Fire
43	Floods
44	Heat, draught
48	Storm

*Other divisions by Subject Device (illustrative)*

I23	Fungus diseases
K86	Entomological
K96	Injuries due to birds
K97	Injuries due to mammals

*Divisions based on the train of*

**Operation or O**

*Characteristic*

2	Etiology
3	Symptoms and diagnosis
4	Pathology
5	Preventive steps
6	Rescue work
62	Physical methods

# AGRICULTURE

623	By ultrasonics	1	Nomenclature, classification, etc.
625	By radiation		
6252	Ultra-violet		<i>To be subdivided as in</i>
6253	X-ray		<b>G Biology</b>
626	Electrical	2	Recovery
63	Chemical	21	Gathering
68	Entomological	22	Drying
		25	Clearing
		26	Curing

## 5 CROP DEVELOPMENT

51	Hoeing	3	Grading, sorting
52	Water supply and drainage	4	Control of diseases
53	Air supply	7	Yield
54	Temperature regulation	8	Storing
55	Light regulation	84	Cold storage
56	Seasonal measures	913	Weight, Density
	<i>(Divide by season) as in</i>	9151	Linear dimensions
	<b>G Biology</b>	9152	Area
		9153	Volume
57	Weeding	92	Physical properties
58	Protection from wind	93	Chemical properties
59	Special processes	96	Cost
591	Pruning	97	Uses
592	Mixed cropping	JA	Forestry
593	Crop rotation		<i>Divisions based on the train of</i>
596	Special methods of pollination		<b>Tree or T</b>
			<i>Characteristic</i>
			<i>By the Alphabetic Device</i>
7	Harvesting		<i>(Illustrative)</i>

J [U] [P] [C]: 7 [M]: [O]

*Divisions based on the train of*  
**Material or M**  
*Characteristic*

*Same as the Part Divisions*  
*(See also rule J471)*

*Divisions based on the train of*  
**Operation or O**  
*Characteristic*

JAE1	Eucalyptus
JAP1	Pine
JAT1	Teak
JAT2	Tilia
JAS1	Spruce

*Class Number by the*  
**Classic Device (Illustrative)**

J1xG40. Upavanavinōda

# K ZOOLOGY

K [N]: [P]

K [N]: 1—: [G]

K [N]: 5—: [G]: [O]

*Divisions based on the train  
of Natural group of animals  
or N*

*Characteristic*

1 Invertebrata

2 Protozoa

21 Sarcodina

211 Rhizopoda

212 Foraminifera

213 Heliozoa

214 Radiolaria

215 Proteomyxa

216 Mycetozoa

23 Sporozoa

231 Telosporidia

235 Neosporidia

25 Flagellata

27 Infusoria

271 Ciliata

275 Suctoria (tentaculifera)

3 Porifera

31 Calcareae

32 Myxospongiae

33 Hexactinellida

34 Octactinellida

35 Heteractinellida

36 Demospongiae

4 Coelenterata

41 Hydrozoa

411 Eutheroblastea

412 Milleporina

413 Gymnoblastea (Antho-  
medusae)

414 Calyptoblastea (Lepto-  
medusae)

415 Stylasterina

416 Trachomedusae

417 Narcomedusae

418 Siphonophora

419 Graptolitoidea

43 Scyphozoa, scyphome-  
dusae

431 Cubomedusae

433 Stauromedusae

435 Coronata

437 Discophora

45 Anthozoa, actinozoa

451 Alcyonaria

452 Stolpnifera

453 Coenothecalia

454 Alcyonacea

455 Gorgonacea

4551 Pseudaxonia

4553 Axifera

456 Pennatulacea

4561 Pennatulaceae

4562 Spicatae

4563 Verticilladeae

4564 Renillae

4565 Veretillae

457 Zoantharia

4571 Edwardsiidea

4572 Actiniaria

# ZOOLOGY

45721	Actiniina	65	Chaetopoda, annelida
45722	Stichodactylina	651	Archiannelida
4573	Madreporaria	652	Polychaeta, myzostomaria
45731	Entocnemaria	6521	Phanerocephala
45732	Cyclocnemaria	65211	Nereidiformia
4574	Zoanthidea	65212	Spioniformia
4575	Antipathidea, antipatharia	6523	Terebelliformia
4576	Cerianthidea	6524	Capitelliformia
6	Vermes	48	Ctenophora
61	Platyhelminthes	481	Tentaculata
611	Turbellaria	482	Cydrapidea
6111	Polycladida	483	Lobata
6112	Tricladida	484	Cestoidea
6113	Rhabdocelida	485	Platyctenea
613	Trematoda	487	Nuda
6131	Monogenea	5	Echinodermata
6132	Digenea, malacocotylea	51	Eleutherozoa
615	Cestoda	52	Asteroidea
617	Mesozoa	521	Spinulosa
62	Nemertinea	522	Velata
621	Protonemertini	523	Paxillosa
623	Mesonemertini	524	Valvata
625	Metanemertini	525	Forcipulata
627	Heteronemertini	53	Ophiuroidea
63	Nemathelminthes	531	Streptophiura
631	Nematoda	532	Zygophiura
633	Nematomorpha	533	Cladophiura
635	Acanthocephala	54	Echinoidea
637	Chaetognatha	541	Endocyclica
64	Rotifera	542	Clypeastroidea
641	Flosculariaceae	5421	Protoclypeastroidea
642	Melicerata	5422	Euclypeastroidea
643	Bdelloida	543	Spatangoidea
644	Asplanchnaceae	55	Holothuroidea
645	Scirtopoda	551	Aspidochirota
646	Ploima	552	Elasipoda
6461	Illoricata	553	Pelagothuriida
6462	Loricata	554	Dendrochirota
647	Seisonaceae	555	Molpadiida
648	Gastrotricha	556	Synaptida
6481	Euichthyridia	56	Pelmatozoa
6482	Apodina	57	Crinoidea
649	Kinorhyncha	572	Inadunata
		573	Articulata

# ZOOLOGY

576	Camerata	7147	Anatinacea
58	Extinct classes	715	Septibranchiata
581	<i>Thecoidea</i> (Edrioas- teroidea)	73	Scaphopoda
582	<i>Carpaoidea</i>	75	Gasteropoda
583	<i>Cystoidea</i>	751	Amphineura
584	<i>Blastoidea</i>	7511	Polyplacophora
6525	Scoleciformia	7513	Aplocophora
6526	Cryptocephala	753	Prosobranchiata
65261	Sabelliformia	7531	Diotocardia
65262	Hermelliformia	7532	Monotocardia
6527	Myzostomaria	755	Opisthobranchiata
653	Oligochaeta	7551	Tectibranchiata
6531	Microdrili	7555	Ascoglossa
6532	Megadrili	756	Nudibranchiata
654	Hirudinea	7561	Pteropoda
6541	Rhynchobdellæ	757	Pulmonata
6544	Gnathobdellæ	7571	Basommatophora
655	Gephyrea	7575	Stylommatophora
6551	Sipunculoidea	77	Cephalopoda
6553	Priapuloida	771	Dibranchiata
6555	Echiuroidea	7711	Octopoda
6557	Epithetosomatoidæ	7712	Decapoda
66	Phoronis	775	Tetrabranchiata
67	Polyzoa	7751	Nautiloidea
671	Entoprocta	7753	Ammonoidea
672	Ectoprocta	78	Brachiopoda
6721	Gymnolæmata	781	Ecardines
6725	Phylactolæmata	785	Testicardines
7	Mollusca	8	Arthropoda
71	Pelecypoda	81	Crustacea
711	Protobranchiata	811	Entomostraca
712	Filibranchiata	812	Branchiopoda
713	Pseudolamellibranchiata	8121	Phyllopoda
7131	Anomiacea	8122	Clodocera
7135	Arcacea	813	Copepoda
7137	Mytilacea	8131	Gymnoplea
714	Eulamellibranchiata	8132	Podoplea
7141	Submytilacea	814	Cirripedia
7142	Tellinacea	8141	Pedunculata
7143	Veneracea	8142	Operculata
7144	Cardiacea	8143	Acrothoracica
7145	Myacea	8144	Ascothoracica
7146	Pholadacea	8145	Apoda



# ZOOLOGY

8146	Rhizocephala	8634	Neuroptera planipennia
8147	Ostracoda	8635	Trichoptera
815	Malacostraca	864	Hymenoptera
8151	Anaspidacea	8641	Hymenoptera sessili ventres
8152	Mysidacea	8643	Hemenoptera petiolata
8153	Cumacea	8645	Tubulifera
8154	Isopoda	8647	Aculeata
81541	Chelifera	865	Coleoptera
81542	Flabellifera	8651	Lamellicornia
81543	Valvifera	8652	Adephaga, caraboidea
81544	Asellota	8653	Polymorpha
81545	Oniscoida	8654	Heteromera
81546	Epicarida	8655	Phytophaga
81547	Phreatoicidea	8656	Rhynchophora
8155	Amphipoda	8657	Strepsiptera
81551	Crevettina	867	Lepidoptera
81552	Læmodipoda	8671	Rhopalocera
81553	Hyperina	8675	Heterocera
8156	Stomatopoda	871	Diptera
8157	Euphausiacea	8711	Orthorrhapha nemocera
8158	Decapoda	8712	Orthomhappa brachycera
81581	Macrura	8713	Cyclorrhapha aschiza
81582	Anomura	8714	Cyclorrhapha schizo- phora
81583	Brachyura	8715	Pupipara
816	Trilobites	874	Aphaniptera
83	Onychophora, peripatus, prototracheata	8741	Pulicidae
84	Myriapoda	876	Thysanoptera
841	Chilognatha, diplopoda	8761	Terebrantia
843	Chilopoda	877	Hemiptera
845	Schizotarsia	8771	Heteroptera
846	Symphyla	8772	Homoptera
847	Pauropoda	8774	Anoplura
86	Insecta	88	Arachnida
861	Aptera	881	Delobbranchiata, mero- stomata
8611	Thysanura	8811	Xiphosura
8612	Collembola	1813	Eurypterida, gigantostraca
862	Othoptera	882	Embolobbranchiata
8621	Orthoptera cursoria	8821	Scorpionidea
8625	Orthoptera saltatoria	8822	Pedipalpi
863	Neuroptera	8823	Araneae
8631	Mallophaga		
8632	Pseudo-neuroptera		
8633	Neuroptera amphibiotica		

# ZOOLOGY.

8824	Palpigradi	92	Pisces
8825	Solifugæ, solpugæ	922	Elasmobranchii
8826	Chernetidea, chernetes, pseudoscorpiones	9221	Pleuropterygii
8827	Podogona, ricimulei	9222	Ichthyotomi
883	Phalangidea, opiliones	9223	Acanthodei
8831	Cyphophthalmi	9224	Plagiostomi
8832	Mecostethi, laniatores	92241	Selachii
8833	Plagiostethi, palpatores	92245	Batoidei
884	Acarina, acari, acaridea	923	Holocephali
8841	Vermiformia	925	Teleostomi
8842	Astigmata	9251	Crossopterygii
8843	Metastigmata	92511	Osteolepida
8844	Heterostigmata	92515	Cladistia
8845	Prostigmata	9252	Chondrostei
8846	Notostigmata	9253	Holostei
885	Tardigrada	9254	Teleostei
886	Pentastomida	92541	Malacopterygii
888	Pyenogonida, podosomata, pantopoda	92542	Ostariophysi
9	Prochordata a n d	92543	Symbranchii
	vertebrata	92544	Apodes
91	Prochordata	92545	Haplomi
911	Hemichordata	92546	Heteromi
9111	Enteropneusta	92547	Catosteomi
91111	Pterobranchia	92548	Percesoces
91113	Phoronidea	925492	Anacanthini
913	Urochordata, tunicata	925493	Acanthopterygii
9131	Larvacea	925494	Opisthomi
9133	Ascidiaacea	925495	Pediculati
91331	Ascidiae simplices	925496	Plectognathi
91332	Ascidiae compositae	926	Dipneusti, Dipnoi
91333	Merosomata	927	Palaeospondylidae
913333	Holosomata	928	Ostracodermi
91335	Ascidiae luciae	9281	Heterostraci
9135	Thaliacea	9282	Osteostraci
91351	Ceratomyaria	9283	Anaspida
91353	Hemimymaria	93	Amphibia
915	Cephalochordata	931	Stegocephali
917	Cranata	9311	Stegocephali lepospondyli
9171	Cyclostomata	93111	Branchiosauri
91711	Myxinoidea	93113	Aistopodes
91715	Petromyzontes	9312	Stegocephali temnospondyli
		9313	Stegocephali stereospondyli

932	Lissamphibia	949115	Pteranodontes
9321	Apoda	9492	Pythonomorpha
9323	Urodela	94921	Dolichosauri
9325	Anura	94925	Mosasauroi
93251	Aglossa	9493	Sauria
93255	Phaneroglossa	94931	Lacertilia
94	Reptilia	949313	Geckonæ
941	Proreptilia	949315	Lacertæ
942	Prosauria	949316	Chamæleontes
9421	Microsauri	94932	Ophidia
9425	Prosauri	96	Aves
94251	Protosauri	961	Archæornithes
94255	Rhynchocephali	962	Neornithes
943	Theromorpha	9621	Neornithes ratitæ
9431	Pareiasauri	96211	Ratitæ
9433	Theriodontia	962111	Struthionæ
9435	Anomodontia	962112	Rheæ
9437	Placodontia	962113	Megistanes
944	Chelonia	962114	Apterges
9441	Atheca	962115	Dinornithes
9445	Thecophora	962116	Aepyornithes
94451	Cryptodira	96212	Stereornithes
94453	Pleurodira	962121	Mesembriornis
94455	Trionychoidea	962122	Diatryma
945	Dinosauria	962123	Dasornis
9451	Sauropoda	962124	Remiornis
9453	Theropoda	962125	Gastornis
9455	Orthopoda	9622	Neornithes odontolæ
94551	Stegosauri	96221	Hesperornithes
94555	Ornithopoda	96225	Enaliornithes
9457	Ceratopsia	9623	Neornithes carinatæ
946	Crocodilia	96231	Ichthyornithes
9461	Pseudosuchia	96232	Colymbiformes
9463	Parasuchia	962321	Colymbi
9465	Eusuchia	962325	Podicipedes
947	Plesiosauria	96322	Sphenisciformes
9471	Nothosauri	963221	Sphenisci
9475	Plesiosauri	96323	Procellariiformes
948	Ichthyosauria	963231	Tubinares
9481	Ichthyosauri	9633	Ciconiiformes
9491	Pterosauria	96331	Steganopodes
94911	Pterosauri	96332	Ardeæ
949111	Pterodactyli	96333	Ciconiæ
		96334	Phoenicopteri
		9634	Anseriformes

# ZOOLOGY

96341	Palamedeæ
96345	Anseres
9635	Falconiformes
96351	Cathartæ
96353	Accipitres
9636	Tinamiformes
96361	Tinami
9637	Galliformes
96371	Mesitæ
96373	Turnices
96375	Galli
96377	Opisthocomi
9638	Charadriiformes
96381	Limicolæ
96382	Lari
96384	Alcæ
96385	Pterocles
96387	Columbæ
964	Cuculiformes
9641	Cuculi
9645	Psittaci
965	Coraciiformes
9651	Coraciæ
9652	Striges
9653	Caprimulgi
9654	Cypseli
9655	Colii
9656	Trogones
9657	Pici
966	Passeriformes
9661	Passeres anisomyodæ
96611	Subclamatores
96615	Clamatores
9662	Passeres diacromyodæ
96621	Suboscines
96625	Oscines
97	Mammalia
971	Monotremata
972	Marsupialia
9721	Diprotodontia
9725	Polyprotodontia
973	Edentata
9731	Xenarthra

9735	Nomarthra
974	Sirenia
975	Cetacea
9751	Mystacoceti
9752	Odontoceti
9753	Archæoceti
976	Ganodonta
978	Ungulata
9781	Condylarthra
9782	Amblypoda
9783	Ancylopoda
9784	Typotheria
9785	Toxodontia
9786	Proboscidæ
9787	Hyracoidea
9788	Perissodactyla
97891	Litopterna
97892	Artiodactyla
9791	Carnivora
97911	Fissipedia
97912	Pinnipedia
9792	Creodonta
9793	Rodentia
97931	Simplicidentata
97935	Duplicidentata
9795	Insectivora
97951	Insectivora vera
97955	Dermoptera
9796	Chiroptera
97961	Megachiroptera
97965	Microchiroptera
9797	Primates
97971	Lemuroidea
97975	Anthropoidea

*Divisions based on the train of  
Problem or P  
Characteristic  
as in G Biology  
with the following additions*

59	Other habits
591	Relation to young ones
598	Flying animals

## L MEDICINE

### L[O]: [P]

<i>Divisions based on the train of</i>		153	Front
<b>Organ or O</b>		155	Left
<i>Characteristic</i>		157	Back
1	<b>Basic and regional</b>	16	<b>Upper extremities</b>
11	Cells	161	Shoulders
12	Tissues	162	Axilla
13	<b>Lower extremities</b>	163	Arms
131	Toes	164	Elbows
132	Feet	165	Forearms
133	Ankles	166	Wrists
134	Legs	167	Hands
135	Knees	168	Fingers
136	Thighs	17	<b>Neck</b>
137	Pelvic region	18	<b>Head</b>
14	<b>Abdomen</b>	181	Face
141	Iliacs	183	Ears
1411	Right	1831	Pinna
1415	Left	1832	External auditory meatus
143	Hypogastric	1833	Tympanic cavity
144	Umbilical	1834	Tympanic membrane
145	Lumbar	1835	Eustachian tube
1451	Right	1836	Tympanic ossicles
1455	Left	1837	Osseous labyrinth
147	Epigastric	1838	Membranous labyrinth
148	Hypochondriac		
1481	Right		
1485	Left	185	<b>Eyes</b>
1493	Diaphragm	1851	Coats
15	<b>Thorax</b>	18511	Eyelids
151	Right	18512	Cornea

# MEDICINE

18513	Sclerotic	21431	Milk teeth
18514	Iris	21432	Canine
18515	Ciliary processes	21433	Lateral incisor
18516	Choroid	21434	Central incisor
18517	Retina	21435	First molar
1852	Parts	21436	Second molar
18521	Aqueous humour	2145	Dentine
18522	Crystalline lens	2146	Pulp cavity
18523	Vitreous humour	215	Fauces
1856	Lachrymal glands	216	Salivary glands
18562	Lachrymal sac	2161	Parotid glands
18565	Tears	21617	Parotid duct
18571	Lachrymal ducts	2162	Submaxillary gland
18572	Nasal ducts	21627	Submaxillary duct
187	Scalp	2163	Sublingual glands
192	Joints	2164	Mucous glands
198	Storage regions	219	Tonsils
2	Digestive system	22	Pharynx
21	Mouth	23	Esophagus
211	Lips	24	Stomach
212	Cavity of the mouth	245	Gastric secretions
2121	Floor of the mouth	246	Gastric glands
2123	Cheeks	2461	Cardiac glands
2125	Palate	2463	Pyloric glands
21251	Uvula	248	Orifice and valve
21252	Soft palate	2481	Cardiac orifice
21253	Hard palate	2482	Pyloric orifice
2127	Jaws	24828	Pyloric valve
213	Tongue	25	Intestines
214	Teeth	26	Small intestines
21411	Gums	266	Intestinal glands
21412	Enamel	2661	Brunner's glands
2142	Parts	2662	Solitary glands
21421	Root	2663	Peyer's glands
21422	Neck	268	Ileo-caecal valve
21423	Crown	27	Large intestines
2143	Kinds of teeth	272	Parts

# MEDICINE

2721	Cæcum	395	Lymph
27219	Vermiform Appen-	396	Lymphatic glands
	dix		(To be divided locally)
2722	Colon	398	Lymphatic valves
2723	Rectum	4	Respiratory system
2724	Anal canal	41	Nose
276	Solitary glands	411	Outer nose
278	Houston's valves	412	Nasal fossæ
291	Liver	42	Larynx
2915	Bile	43	Trachea
2917	Bile ducts	44	Bronchi
292	Gall bladder	441	Right bronchus
2927	Cystic duct	4415	Right intra-pul-
293	Pancreas		monary branches
2935	Pancreatic secretion	445	Left bronchus
2937	Pancreatic duct	4455	Left intra-pulmo-
3	Circulatory system		nary branches
31	Pericardium	45	Lungs
32	Heart	4511	Pleura
33	Vena cava	46	Pleural sacs
331	Superior vena cava	48	Mediastinum
332	Inferior vena cava	5	Genito-urinary sys-
34	Aorta		tem
35	Blood	51	Kidneys
358	Haemoglobin	513	Sinus
36	Veins	515	Urine
	(To be divided locally)	517	Ureter
37	Arteries	52	Bladder
	(To be divided locally)	53	Urethra
38	Capillaries	54	Sexual organs
	(To be divided locally)	55	Female genital
39	Lymphatic vessels		organ
391	Thoracic duct	551	Ovaries
392	Right lymphatic duct	5515	Eggs
394	Other lymphatic	552	Fallopian tubes
	vessels	553	Uterus
	(To be divided locally)	554	Vagina
		555	External organs



# MEDICINE

5551	Vulva	72	Spinal cord
55511	Labium	721	Spinal meninges
5552	Perineum	73	Nerves (their structure, parts, etc.)
556	Breasts	74	Peripheral nerves
56	Male genital organ		(To be divided locally)
561	Testes	75	Sensory nerves
5611	Scrotum		(To be divided locally)
5621	Epididymis	76	Motor nerves
5622	Vas deferens		(To be divided locally)
5623	Ejaculatory duct	77	Autonomic nerves
565	Seminal vesicles	771	Sympathetic nerves
5655	Spermatozoa		(To be divided locally)
5661	Prostate gland	795	Cerebro-spinal fluid
5662	Cowper's glands	8	Other systems
567	Penis	82	Bones
6	Ductless glands	821	Periosteum
61	Superarenal	822	Bone proper
62	Spleen	8221	Substantial
63	Thymus	8222	Cancellous
64	Para thyroid	8223	Cavities
65	Thyroid	825	Marrow
66	Hypophysis glands	83	Muscles
661	Anterior	86	Connective tissues
662	Posterior	861	Connective tissues proper
67	Pineal gland	8611	Lining membranes
68	Other glands	86111	Serous
	(To be divided locally)	86112	Synovial
7	Nervous system	86113	Mucous
71	Brain	8613	Protecting membranes
711	Meninges	8614	Basement membranes
7111	Dura mater	8615	Reticular tissue
7112	Arachnoid mater	8616	Ligaments
7113	Pia meter		
712	Parts		
7121	Cerebrum		
7124	Cerebellum		
7122	Pons		
7123	Medulla oblongata		

# MEDICINE

8617	Tendons	3135	Multiple pregnancy
866	Cartilages	314	Pathology of pregnancy
87	Skin		
871	Epidermis	3142	Vomiting
872	Corium	3143	Varices
875	Pigment	31451	Albuminuria
876	Glands of the skin	31455	Complications due to abnormalities in the generative tract
8761	Sebaceous glands		
8762	Sweat glands		
88	Hair, etc.		
881	Hair	3147	Convulsions
882	Scales	31471	Insanity of pregnancy
883	Nails		
<i>Divisions based on the train of Problem or P</i>		31495	Extra-uterine pregnancy
<i>Characteristic</i>		32	Foetus
1	Preliminaries	324	Diseases of the foetus
11	Nomenclature		
13	Nursing home	3291	Death of foetus
14	Hospitals	331	Chorian
15	Sanatoria	332	Amnion
17	Anæsthetization	333	Placenta
19	Microscopy	334	Umbilical cord
192	Sectioning		
195	Fixation	34	Abortion
196	Mounting	341	Natural
198	Staining	345	Artificial
2	Morphology	35	Labour
3	Physiology	351	Presentation
<i>To be subdivided as in 'G' Biology with the following modifications</i>		3511	Vertex
<i>Subdivisions when applied to</i>		3512	Face and brow
<i>Organ Number '55 Female</i>		3513	Lower extremities
<i>Genital Organs'</i>		3515	In multiple pregnancy
3	Obstetrics	352	Second stage
31	Pregnancy	353	Third stage
313	Diagnosis	354	Abnormal labour
		3542	Due to foetus

# MEDICINE

3543	Due to anomalies of expelling forces	427	Due to metazoa
3544	Due to passage and obstacles	43	Parasitic diseases
357	Obstetric operations	435	Due to phyto parasites
3571	Dilatation	437	Due to animal parasites
3574	For inversion of uterus	44	Poisons
3577	Use of forceps	441	Snake poison
3578	Embryotomy	<i>To be further divided by the substance number as in 'E Chemistry'</i>	
36	Puerperal state	45	Functional disorder
3641	Puerperal infection	451	Under functioning
3646	Mastitis	452	Over functioning
393	Ordinary (non-pregnant) physiology	453	Complicated functioning
4	Diseases	4537	Allergy
41	General	456	Not functioning
411	Atrophy	4565	Not functioning due to external causes
412	Hypertrophy	46	Metabolistic
413	Hemorrhage	463	Due to deficiency
414	Fever	47	Structural, neoplastic, etc.
415	Inflammation	471	Abnormalities in structure
417	Pain	4711	Size
418	Spasm	4712	Shape
419	Other general diseases	4713	Position
42	Infectious diseases	4714	Fixation
421	Tuberculosis	4715	Number
422	Syphilis	4716	Total absence
423	Due to filterable protista	4718	Openings
424	Due to bacteria	472	Tumour
425	Due to metaphyta	4721	Swellings due to hypertrophy
426	Due to protozoa		

# MEDICINE

4722	Inflammatory swellings	L:4232	Chicken pox
		L:4233	Measles
4723	Cysts	L:4631	Scurvy
4724	Non-malignant tumours	L:4632	Beriberi
		L12:46	Obesity
47241	Osteoma	L14:485	Ascites
47242	Chondroma	L191:46	Gout
47243	Myoma	L2161:423	Mumps
47245	Myxoma	L24:451	Anorexia
472462	Lipoma	L25:4241	Typhoid
472463	Fibroma	L25:4242	Bacillary dysentery
47247	Papilloma	L25:4251	Cholera
47248	Adenoma	L25:4262	Amœbic dysentery
4725	Malignant tumours		
47251	Osteosarcoma	L25:4371	Tapeworm
47252	Chondrosarcoma	L25:4372	Hookworm
47253	Myosarcoma	L25:4373	Round worm
47255	Myxosarcoma	L25:4374	Thread worm
472562	Liposarcoma	L25:451	Constipation
472563	Fibrosarcoma	L25:452	Diarrhœa
47257	Carcinoma	L25:474	Dysentery (general)
47258	Adenosarcoma		
473	Hernia	L291:453	Jaundice
474	Ulcer	L292:481	Gallstones
475	Abscess	L2927:481	Biliary colic
476	Gangrene	L293:46	Diabetes
48	Due to presence of foreign matter	L34:411	Angina pectoris
481	Solid matter	L35:411	Anæmia
485	Fluid	L35:4111	Secondary
488	Gas	L35:4112	Chlorosis
49	Due to other causes	L35:4113	Pernicious
491	Fire. Burns	L35:4114	Splenic
494	Asphyxia	L35:4115	Leucemia
	Specific diseases		
	(Illustrative)	L35:4231	Typhus
L:423	Poxes	L35:4261	Malaria
L:4231	Small pox		

# MEDICINE

L35:4262	Sleeping sickness	5	Public health and hygiene
L37:411	Arteriosclerosis	51	Vital statistics, mortality tables
L37:4711	Aneurysm		
L39:4371	Filarial elephantiasis	52	State control
L39:481	Elephantiasis	521	Habitations
L396:412	Hodgin's disease		<i>To be subdivided as in</i>
L396:4241	Bubonic plague		N1 Architecture
L4:4241	Influenza	522	Animals
L4:4242	Whooping cough		<i>To be subdivided by Animal</i>
L41:4241	Diphtheria		Characteristic
L44:453	Asthma		<i>as in</i> MK Veterinary Science
L45:424	Pneumonia	523	Foods, beverages
L4511:485	Empyema		<i>To be subdivided by</i>
L51:453	Albuminuria		Substance Characteristic
L51:481	Renal colic		<i>as in</i> E Chemistry and F Technology
L61:411	Addison's disease	524	Intoxicants, poisons
L62:4261	Kala-azar		<i>To be subdivided as</i> 523
L65:4711	Goitre	525	Conveyances
L65:4716	Cretinism myxoedema	526	Medicine
L66:472	Acromegaly		<i>To be subdivided as</i> 523
L7:51	Neurasthenia	54	Prevention of diseases in general
L7:52	Insomnia		
L71:453	Epilepsy		<i>To be subdivided as</i>
L711:424	Cerebro-spinal meningitis		4 Diseases
L72:4241	Tetanus	547	Prevention of accidents
L73:417	Neuralgia	55	Public hygiene
L76:411	Paralysis	551	Ground
L76:453	Chorea	555	Water
L81:463	Rickets	556	Season
L87:485	Edema		<i>(Divide by season)</i>
L875:4716	Albinism	558	Air

# MEDICINE

- 57      **Personal hygiene**  
 571     Residence, furniture  
 5711    Floor, walls, etc.  
 5712    Water supply  
 5713    Ventilation  
 5714    Heating, cooling  
 5715    Light  
 5718    Drainage  
 572     Exercise and recreation

- 573     **Food**  
*To be subdivided by  
 Substance Characteristic  
 as in E Chemistry  
 and F Technology*

- 5731    Underfeeding  
 5732    Overfeeding  
 5736    Fasting  
 574     Intoxicants, stimulants  
 575     Bath, toilet, cleanliness  
 576     Regulation of habits  
 577     Clothing

- To be subdivided by  
 Material Characteristic  
 as in M7 Textiles*

- 578     Sleep

- 6       **Pharmacognosy**  
 61      Sources, etc.  
 611     Nomenclature and classification  
 614     Sources  
 63      Pharmacology  
 65      Pharmacopeia  
 66      Materia medica  
 68      Pharmacy

- 7       **Phylogeny**  
*To be subdivided  
 as in G Biology*

- 8       **Physical fitness**  
*To be subdivided  
 as the common subdivision*

- b13 **Physical qualification**

L [O]: 4—:[H]

*Divisions based on the train of  
 Handling or H  
 Characteristic*

*For '4 Diseases' and its  
 Subdivisions*

- 1       **Nursing**  
 2       **Etiology**  
 3       **Symptoms and diagnosis**  
 31      By signs, clinical  
 32      By physical methods  
 325     By microscope  
 3253    By x-rays  
 33      By chemical methods  
 4       **Pathology**  
 402     Physical methods  
 403     Chemical methods  
 411     Examination of cells  
 412     Examination of tissues  
 424     Examination of gastric contents  
 427     Examination of feces  
 44      Examination of sputum  
 45      Examination of urine  
 4798    Post mortem examination

# MEDICINE

5	Preventive steps	6434	Blood letting
51	Epidemiology	6435	Cupping
55	Control measures	644	Respiratory remedy
56	Immunology		(Prāṇāyāma)
6	Therapeutics	65	Hydrotherapy
61	Methods of adminis-	66	Serumtherapy
	tration	67	Organotherapy
6121	By mouth	68	Aerotherapy
6123	By rectum	69	Other cures
616	Injection	691	Psychotherapy
6161	Epidermal	7	Surgery
6163	Intramuscular	75	Prosthesis
6166	Intravenous	76	Amputation
62	Physiotherapy	77	Excision
624	Thermotherapy	8	Diet regulation
625	Radiotherapy	9	Other factors
6252	Ultra-violet the-	91	After care
	rapy	97	First aid
6253	X-ray therapy		
626	Electrotherapy		
627	Magnetotherapy		
63	Pharmacotherapy		
63129	Radiumtherapy		
64	Physiological the-		
	rapy		
642	Regulation of diet		
6426	Fast cure		

L: 6—: [S]

*Divisions based on the train of*  
**Substance or S**  
*Characteristic*  
*as in E Chemistry*  
*and F Technology*

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L9	Medicine as applied to special classes
L91	Childhood
L98	Tropical medicine
L93	Old age



## MEDICINE

### Special Schools of Medicine

#### LA Ayurveda system

*Divisions by the Classic Device (Illustrative)*

- LAx1 *Carakasamhitā*  
LAx11 Patañjali's commentary  
LAx12 Cakrapāṇidatta *Carakatātparyadīpikā* or *Āyurveda dīpikā*  
LAx13 Haricandra's commentary  
LAx14 Śivadāsa *Caraka tattva pradīpikā*  
LAx15 Gaṅgādhara *Jalpakaḥpataru*  
LAx2 Vāgbhaṭa I *Aṣṭāṅgasaṅgraha*  
LAx21 Aruṇadatta's commentary  
LAx3 Vāgbhaṭa II *Aṣṭāṅgahr̥daya*  
LAx31 Aruṇadatta *Sarvāṅgasundara*  
LAx32 Hemādri or Kāmadeva *Āyurveda darśana*  
LAx33 Āśādhara sallakṣaṇa *Aṣṭāṅgahr̥dayodyota*  
LAx34 Candracandana *Padārthacandrikā*  
LAx35 Dāmodara *Saniketamañjarī*  
LAx36 Rāmanātha Vaidya *Aṣṭāṅgahr̥dayaṭīkā*  
LAx37 *Bālaḥprabodhikā*  
LAx38 *Hṛdayabodhikā*  
LAx3M80 Harikṛṣṇa Mullick *Vāgbhaṭārthakaumudī*  
LAx3M90 Yaśodānandan Sarkār *Pradīpa*  
LAx4 Bhela *Bhelasamhitā*  
LAx5 Śārṅgadhara *Śārṅgadharasamhitā*  
LAx51 Ādhamalla *Śārṅgadharadīpikā*  
LAx6 Bhāva Mīśra *Bhāvaprakāśa*  
LAx7 *Navanāvanītakam*  
LAx8 Yogānandanātha *Āyurvedasūtra*  
LAxD4 Nāgārjuna *Rājavaiśeṣikasūtra*  
LAxM13 Parameśwara *Hṛdayapriyā*  
LA:4x1 Mādhavakara *Mādhavanīdāna*  
LA:4:6x1 Cakrapāṇidatta *Cikitsāsārasamhitā*  
LA:4:7x2 *Suśrutasamhitā*  
LA:4:7x21 Chakrapāṇidatta *Bhānumatī*  
LA:4:7x22 Gayādāsa *Nyāyacandrikā* or *pañjikā*  
LA:4:7x23 Jejjāṭacārya's commentary

## MEDICINE

- LA:4:7x24 Bhāskara's commentary  
LA:4:7x25 Mādhava's commentary  
LA:4:7x26 Brahmadeva's commentary  
LA:4:7x27 Dallaṇācārya *Nibandhasaṅgraha*  
LA:4:7x28 Ubhalta's commentary  
LA:4:7x3 *Bhojatantram* or *Bhojasamhitā*  
LA:441:6x1 *Kāśyapa samhitā*  
LA:6x2 *Kāka caṇḍīśwaratantra*  
LA:65x1 *Muktāvali*  
LA:67x1 Cakrapāṇidatta *Cakradatta* or *Dravyagūṇasaṅgraha*  
LA:68x1 Vāgbhaṭa (son of Siṃha Gupta) *Rasaratnasamuccaya*  
LA:68x2 *Rasādhyāya*  
LA91x1 *Jīvakatantra*  
LA91x2 *Parvatakatantra*  
LA91x3 *Bandhakatantra*  
LA91x4 *Hiraṇyākṣavatāntra*  
LA91xM90 Ramavarier *Ārogyakalpadruma*  
LB Siddha system  
LC Unani system  
LL Homeopathy

## M USEFUL ARTS

M1	Book production and description	1	Cotton
		2	Wool
M13	Paper-making	3	Silk
M14	Printing, etc.	4	Flax
M141	Type founding	5	Other vegetable fibres
M142	Composition		
M143	Printing	6	Metal yarn and fabrics
M144	Book illustrations		
M145	Ink manufacture		<i>Divisions based on the train of</i>
M148	Typewriting		<i>Work or W</i>
M15	Book-binding		<i>Characteristic</i>
M16	Publishing	1	Preliminaries
M17	Book selling	11	Sorting, ginning
M18	Book description, bibliography	12	Beating, scouring
		13	Carding
M19	Technique of book writing	15	Oiling, washing
		2	Spinning
M194	Editing	3	Twisting
M1942	Manuscripts	4	Bleaching, dyeing
M1944	Printed books	7	Weaving
M195	Indexing	8	Textile printing
M2	Journalism	M8	Dress making
M3	Domestic science	M92	Masonry
M31	Cooking	M95	Photography
M32	Serving	M97	Leather industries
M4	Smithy		
M5	Carpentry		<i>To be divided as the</i>
M6	Glass industry		<i>Problem Divisions</i>
M7	Textiles		<i>of Y1 Sociology</i>
			<i>Further divisions by the</i>
			<i>Subject Device</i>
			<i>(Illustrative)</i>

M7 [M]: [W]

*Divisions based on the train of*  
**Material or M**  
*Characteristic*

MB1 Calculating machines, etc.  
 MB9 Horology

## USEFUL ARTS

MC3	Gramaphones
MC5	Opticians' trade
MD12	Clay industries
MD5124	Horse-riding
MD5133	Motor-driving
MD521	Boat-rowing
MD525	Navigation
MD53	Aviation

### MJ7 Ropemaking

MJ7 [M]: [W]

*Divisions based on the train of*

	Material or M	Characteristic
1	Cotton	
2	Coir	
3	Hemp	
4	Flax	
5	Jute	
6	Sissal	
97	Other	vegetable fibres
98	Metal	

*Divisions based on the train of*

	Work or W	Characteristic
		Same as for
	M7	Textiles

### MK Veterinary science

MK [U] [P] [A]: [V]

*Divisions based on the train of*

	Utility or U	Characteristic
		Same as in
	J	Agriculture
		with the following alterations

2	Cattle
4	Traction
5	Fondling, game

*Divisions based on the train of*  
Part or P  
Characteristic

1	Secretion, extracts like oil
2	Bones
3	Muscles
4	Whole animal
5	Eggs
6	Connective tissues
7	Skin
8	Hair, nails

### ANIMALS

*Fixed by the Favoured Category*  
*Device and Alphabetic Device*  
*applied after division by U and*

	<i>P Characteristics</i> ( <i>Illustrative</i> )
112	Corals
122	Pearl oysters
142	Aquarium fishes
311	Cows
312	She buffaloes
313	She goats
331	Beef cattle
332	Fish
333	Goats and sheep
334	Pigs
337	Turkeys
3392	Oysters
351	Fowls
352	Ducks
441	Bulls
442	Horses
445	Mules
446	Camels
447	Elephants
4494	Reindeer

# USEFUL ARTS

541	Dogs	3	Preparation
542	Cats	7	Administering
546	Parrots	8	Storing
611	Bees	MK [U] [P] [A]: 2 or 3	
612	Fish yielding medicinal oils	[O]	
771	Silkworms	2	Morphology and
783	Sheep	3	Physiology
788	Fox	Divisions based on the train	
811	Lac insect	of Organ or O	
Divisions based on the train of Veterinary or V Characteristic		Characteristic Same as in L Medicine	
1	Feeding	4	Diseases
2	Morphology		
3	Physiology		
4	Diseases		
5	Hygiene	MK [U] [P] [A]: 4 [O]: [D]: [H]	
6	Pharmacognosy	Divisions based on the train	
7	Produce	of Organ or O	
8	Training	Disease or D	
91	Nomenclature, classification	and	
To be divided as in G Biology		Handling or H	
		Characteristics	
		Same as in L Medicine	
1	Feeding	except that in the case of	
MK [U] [P] [A]: 1 [S]: [H]		Diseases	
Divisions based on the train of Substance or S Characteristic		the initial 4	
to be got by Subject Device		is to be omitted	
Divisions based on the train of Handling or H Characteristic		5	Hygiene
		6	Pharmacognosy
		MK [U] [P] [A]: 5 [ ]:	
		[ ]	
		MK [U] [P] [A]: 6: [S]	
		Subdivisions same as in	
1	Nomenclature, classification	L Medicine	

# USEFUL ARTS

7	Produces	MY	Physical training, sports, games, use of leisure
MK [U] [P] [A]: 7 [M]: [O]		MY1	Physical training
<i>Divisions based on the train of Material or M</i>		MY11	Callisthenics
<i>Characteristic (Illustrative)</i>		MY12	Heavy exercises
<i>For the combination</i>		MY2	Athletics
<b>31 of the Utility and Part numbers and its subdivisions</b>		MY21	Ball games
1 Milk		MY211	Thrown by hand
3 Butter		MY2115	Basket ball
4 Ghee		MY2116	Volley ball
5 Butter milk		MY212	Driven by foot
8 Cheese		MY2121	Foot ball
<i>For the combination</i>		MY2122	Rugby
<b>35 of the Utility and Part numbers and its subdivisions</b>		MY213*	Thrown with racket
5 Eggs		MY2131	Tennis
6 Yolk		MY2132	Badminton
<i>Divisions based on the train of Operation or O</i>		MY214	Driven by bats
<i>Characteristic</i>		MY2141	Cricket
<i>Same as in</i>		MY2142	Base ball
<b>J Agriculture</b>		MY2143	Hockey
		MY2144	Croquet
		MY2145	Golf
		MY2146	Polo
		MY22	Competitive sports
		MY221	Tug of war
		MY222	Throwing games
		MY223	Stilt walking
MN8 Musical instrument making		MY224	Jumping
MP Shorthand		MY225	Running
MV4 Science of war		MY226	Cycling
MV41 Military science		MY227	Motoring
MV45 Naval science		MY23	Children's games
MV48 Airfight		MY24	Fighting sports
MX411 Traffic regulation in roads		MY241	Boxing
		MY242	Fencing

# USEFUL ARTS

MY243 Archery  
 MY244 Shooting  
 MY245 Wrestling  
 MY25 Aquatic sports  
 MY251 Swimming  
 MY252 Boating  
 MY254 Skating  
 MY256 Water polo  
 MY28 Airsports  
 MY284 Aviation

**MY3** Indoor amuse-  
 ments, games

MY31 Card  
 MY32 Chance games  
 MY321 Dice  
 MY322 Chess  
 MY33 Billiards

MY34 Occupational amuse-  
 ments  
 MY35 Play with dolls and  
 toys  
 MY4 Jugglery  
 MY5 Animal racing  
 MY6 Hunting  
 MY65 Fishing  
 MY7 Scouting  
 MY8 Club life

*Class number by Classic  
 Device  
 (Illustrative)*

MxE55 Bhoja Yuktikalpa-  
 taru

45



# △ SPIRITUAL EXPERIENCE AND MYSTICISM

△ [R]: [P]: [S]

## *Divisions based on the train of Religion or R Characteristic*

1	Integral, <i>Pūrṇa</i>
2	Hindu
22	Haṭha
23	Jñāna
24	Karma
25	Bhakti
26	Rāja
28	Siddhars (of South India)
3	Jaina
4	Buddhistic
42	Mahāyāna (Indian)
421	Vajrayāna
426	Sahajayāna
428	Mantrayāna
44	Shingon
45	Amita
46	Zen
47	Mahāvairōcana
5	Judaic
6	Christian
63	Gnostic
7	Islamic
73	Sufi
8452	Mithraism
8513	Neoplatonic

## *Divisions based on the train of Problem or P Characteristic*

1	Nomenclature
18	Symbolism
3	Technique
34	Breath control
36	Meditation
5	Visions
6	Traditions
7	Interpretation and relation
8	Occultism
83	Manifestations
831	Materialisation
833	Clairaudience
834	Telepathy
835	Clairvoyance
838	Writing
84	Transformation
86	Prophecy
862	Physiognomy
8625	<i>Macca Sāstra</i>
8627	Palmistry
8628	Phrenology
864	Astrology
866	Precognition
8692	Omens

# SPIRITUAL EXPERIENCE AND MYSTICISM

87	Magic and witchcraft	△25x D60	Paṭṭinattu Pillai
		△25x D65	Pattiragiriyaṛ
872	Sympathetic	△25x K00	Tāyumānavar
874	Ceremonial	△25x M23	Rāmaṅgaśvāmi-gal
<i>Divisions based on the train of Subject or S Characteristic</i>		△26x4	Rāja yōga Upaniśads
		△26x4:11	<i>Maṇḍala Brāhmaṇopaniṣad</i>
11	God		
12	Angels, devils		
14	Man	△28	Siddhars of South India
15	Fairies		
16	Disembodied souls	△28x12	Rāmadevar
2	Nature	△28x13	Kumbamuni
21	Earth	△28x14	Iḍaikkāḍar
216	Mountains	△28x15	Dhanvantari
217	Rivers	△28x16	Vālmiki
25	Oceans	△28x17	Kamalamuni
28	Sky	△28x18	Bhogaṇāthar
2B9	Heavenly bodies	△28x21	Macca Muni
	(To be subdivided as in B9 Astronomy)	△28x22	Koṅkanār
		△28x23	Patañjali
5	Space	△28x24	Nandi deva
6	Time	△28x25	Bodhaguru
	<i>Divisions by the Classic Device</i>	△28x26	Pāmbātti
	(Illustrative)	△28x27	Čattaimuni
		△28x28	Sundarānanda-devar
	△2 Hindu	△28x31	Kuḍumbai Śittar
△2x4	Yōga Upaniśads	△28x32	Gorakkar
△2x6:11	<i>Avadhūta gītā</i>	△28x33	Ahappy Śittar
△22x3	<i>Gheraṇḍa saṃhitā</i>	△28x41	Sattiyānāthar
△22x4	Svātmārāmaswāmin <i>Haṭha-yōga-pradīpikā</i>	△28x42	Saṭokaṇāthar
		△28x43	Ādināthar
		△28x44	Anādināthar
		△28x45	Vahulināthar
△25x1	Nārada <i>Bhakti-sūtra</i>	△28x46	Maṭaṅgaṇāthar
		△28x47	Maccandraṇāthar
△25x2	Śaṇḍilya	△28x48	Kaṭendraṇāthar

# SPIRITUAL EXPERIENCE AND MYSTICISM

## △3 Jain

- △3x D50 Yōgīn d u d ē v a  
Paramātmāpra-  
kāśa

## △4 Buddhistic

- △41:3x1 Y o g ā v a c ā r a  
Manual  
△42:3x2 Dha r m ē n d r a  
Yōgāvatārōpa-  
deśa  
△42:87x1 Tathāgata-guh-  
yaka or Guhya-  
samāja  
△42:87x2 Pañcakrama  
△42:87x4 Mañjusrī-mūla-  
kalpa  
△42:87x5 Caṇḍa-mahāro-  
ṣaṇa-tantra  
△42:87x6 Śrīcakrasam-  
bhāratāntra  
△42:87x7 Indrabhūti Jñā-  
nasiddhi  
△42:87x8 Sādhana-mālā  
△42:87x91 Tisavastik

- △42:87x92 Dākārṇava

- △47x1 Mahāvairōcana-  
sūtra

## △5 Judaic

- △5:8x1 Zohar

## △73 Sufi

- △73xD40 Abu Bakral-  
Kalabadhi  
△73xE58 Al-Ghazzali  
△73xG07 Jalal-ud-din  
Mu h a m m a d  
Rumi  
△73xI14 Nūruddin Abd-  
u r-R a h m a n  
Jami

## △841 Chinese

- △841xD77 Secret of golden  
flower

## △8513 Neo-platonic

- △8513x1 Hermes Herme-  
tica  
△8513xD20 Plotinus  
△8513xI60 Ebreo (Leone)

## N FINE ARTS

### *Canonical divisions*

N1	Architecture
N2	Sculpture
N3	Engraving
N4	Graphic Art, Drawing, Design
N5	Painting
N6	Ceramics
N7	Dance
N8	Music
N91	Theatre
N915	Cinemas
N9153	Talkies

### N1 ARCHITECTURE

N1 [G]: [C] [U]: [P]

N11	Technique
N111	Composition, proportion
N113	Plan
N114	Elevation
N115	Section
N116	Perspective
N118	Models

### *Divisions based on the train of Style or S Characteristic (illustrative)*

N141	Chinese
N142	Japanese
N144	Indian
N144:C	Buddhist

N144:E	Jaina
N144:J	Moghul
N1441	Dravidian
N144112:G	Pallava
N14431:D	Cālukyan
N145:C	Persian
N145:D	Selucid and Sassanian
N146	Saracenic
N1461	Arabian
N1463:C	Jewish
N147:A	Babylonian
N147:B	Assyrian
N147:D	Byzantine
N1492	Syrian

N15	European
N15:D	Romanesque
N15:F	Gothic
N15:J	Renaissance
N151	Greek
N151:A	Minoan and Mycenaean, Pelasgic
N151:C	Hellenic
N1513:C	Corinthian
N1517:C	Doric
N1519:C	Ionian
N152	Italian
N152:C	Etruscan
N152:D	Roman
N152:E	Tuscanian

# FINE ARTS

N156	British	4	Hotels, etc.
N1561:D	Anglo-Saxon	43	Restaurants
N1561:E	Norman	44	Hotels, hostels
N1561:H	Early English	45	Inns
N1561:J	Tudor	5	City halls
N1563	Scottish	6	Museum buildings
N1563:G	First period	7	General office buildings
N1563:H	Second period		
N1563:I	Third period	8	Sepulchral monuments
N1563:J	Fourth period		

N1564	Irish	9	Other buildings
N1564:D	Celtic		(To be divided by the
N1564:G	Mediaeval		Subject Device)

N167	Egyptian
N174:F	Aztec

*Divisions based on the train of*  
*Part or P*  
*Characteristic*  
*For '1 Town Planning'*

	<i>Divisions based on the train of</i>		
	Utility or U	1	Zones
	Characteristic	3	Landscape
1	Town planning	4	Roads, avenues
11	Village	5	Markets
13	Town	6	Public resorts
15	City	61	Places for public
17	Metropolis		worship
2	Buildings	62	Public baths
22	Library buildings	64	Promenades
		65	Playgrounds
		66	Parks
		691	Theatres
		7	Monuments
		8	Cemeteries
		9	Other parts

*To be divided on the basis*  
*of the 'L' Characteristic*  
*of '2 Library Science'*

3	Dwellings
31	Rural houses
33	Urban houses
35	City houses
37	Castles, palaces
39	Other groupings
391	Detached houses
393	Attached houses
399	Workmen's cottages

*For the other Utility Divisions*

3	Floor
4	Supports
41	Walls
45	Pillars
453	Base

# FINE ARTS

455	Shaft	N219	Other aspects
458	Capital	N2198	Preservation
46	Arches	<i>Divisions based on the train of</i>	
5	Stairways		<b>Material or M</b>
6	Roof		<i>Characteristic</i>
62	Gables	1	Wood
63	Roof covering	3	Marble
631	Tiles	4	Stone
		5	Bronze
633	<b>Ceiling</b>	6	Other metals
64	Flat roof	7	Terracotta
65	Domes	8	Ivory
66	Spires	9	Other materials
67	Towers	<i>Divisions based on the train of</i>	
7	Windows		<b>Figure or F</b>
71	Compass window		<i>Characteristic</i>
72	Offertory window	1	Human figures
73	Rose window	11	Equestrian statues
74	Venetian window	18	Busts
79	Other types	2	Nature
8	Doors	21	Earth
9	Other features	216	Mountains
91	<b>Cornices</b>	217	Rivers
92	Friezes	218	Lakes
94	Fire places, mantles	25	Oceans
98	Chimneys	3	Landscape
		4	Plants
99	<b>Decorations</b>	5	Animals
992	Decoration in relief	6	Scenes
993	Veneering	7	Numismatics
994	Mosaic	71	Coins
995	Painted decoration	72	Medals
996	Stained glass	74	Seals
999	Other modes	8	Sepulchres
		81	Effigies
		9	Other subjects
		<i>(To be divided by the</i>	
		<i>Subject Device)</i>	
		9Q	Iconography
<b>N2 SCULPTURE</b>			
N21	Technique		
N214	Design, drawing		
N215	Making of casts		
N218	Modelling		

# FINE ARTS

## N3 ENGRAVING

### Canonical Divisions

N31	Line
N32	Stipple
N33	Mezzotint
N35	Aquatint
N36	Etching
N38	Lithography

## N5 PAINTING

N51	Technique
N511	Composition
N512	Colour
N513	Water-colour painting
N514	Oil-painting
N515	Gouache
N516	Distemper
N517	Encaustic
N519	Other topics
N5198	Preservation

### Divisions based on the train of Material of surface or M Characteristic

1	Wood
2	Paper
3	Fresco
4	Stone
5	Metals
6	Glass
7	Canvas
8	Ivory
9	Other surfaces

### Divisions based on the train of Figure or F Characteristic (Same as for 'N2 Sculpture')

## N8 MUSIC

### Divisions based on the train of Instrument or I Characteristic

1	General
2	Wind instruments
21	Pipe
22	Flute
23	Organ
24	Clarinet
25	Oboe
26	Bassoon
27	Bagpipe
28	Trumpet
29	Others
291	Harmonium
3	Stringed instruments
31	Vīṇā
32	Violin
34	Piano
35	Harp
36	Lute
39	Others
4	Percussion instruments
41	Drum
42	Kettle-drum
48	Cymbals
49	Others
91	Vocal

### Divisions based on the train of Music or M Characteristic

1	Words, libretto
18	Notation
2	Forms
6	Keeping time, tālam
91	Dramatic music
92	Orchestral music



## FINE ARTS

### *Class Numbers by the Classic Device (Illustrative)*

N144x1	<i>Mānasāra</i>
N744x1	<i>Nandikeśwara Abhinayadarpaṇa</i>
N844x1	<i>Śārngadeva Saṅgītaratnākara</i>
N844x2	<i>Dattilamuni Dattila</i>
N844x3	<i>Matāṅgamuni Bṛhaddeśi</i>
N844x4	<i>Pārśvadeva Saṅgītasamayāsāra</i>
N844x5	<i>Nārada Saṅgītamakaranda</i>
N844xJ20	<i>Rāmāmātya Svaramelakalānidhi</i>
N844xK12	<i>Ahobala Saṅgītapārijāta</i>
N8441: Kx6	<i>Venkaṭamakhin Caturdaṇḍiprakāśikā</i>
N8441: KxK09	<i>Somanātha Rāgavibodha</i>

## O LITERATURE

O [L]: [F] [A]: [W]

<i>Divisions based on the</i>		4	Letters, literature written in the form of letters
<b>Form or F</b>			
<i>Characteristic</i>			
1	Poetry	5	Orations
2	Drama	6	Other forms of
3	Fiction, including short stories		prose
		7	Campu

*Class Numbers by Special devices (illustrative)*

### Shakespeare Controversy

- O:2J64:90w1 Bacon—Shakespeare  
 O:2J64:90w2 Rutland—Shakespeare  
 O:2J64:90w3 Derby—Shakespeare  
 O:2J64:90w4 Oxford—Shakespeare

### Greek literary criticism

- O13:1:9x1 Aristotle *Poetics*

### Ancient Sanskrit poetry

- O15:1A1 Rāmāyaṇa  
 O15:1A2 Mahābhārata

### Sanskrit literary criticism. Alamkara

- O15:2:9xD98 Dhanañjaya *Daśarūpaka*  
 O15:2:9xD981 Dhanika *Avaloka*  
 O15:2:9xG43 Sāgaranandin *Nāṭakalakṣaṇa ratnakōśa*  
 O15:9x1 Bharata *Nāṭya-śāstra*  
 O15:9x13 Abhinavagupta *Abhinavabhāratī* or *Nāṭyaveda-  
vivṛti*  
 O15:9x2 Bhamaha *Bhāmahālaṃkāra* or *Kāvyaḷaṃkāra*  
 O15:9x3 Dandin *Kāvyaḍarśa*  
 O15:9x31 Taruṇāvācaspati *Kāvyaḍarśaṭikā*

## LITERATURE

- O15:9x32 *Hṛdayaṅgama*  
 O15:9x33 *Vāḍijaṅghāla Śrutānupālīnī*  
 O15:9x34 *Harinātha Mahopādhyāya Mārjana*  
 O15:9x38 *Jivānandavidyāsāgara Bhaṭṭācārya Kāvyaḍarśa-  
ṭikā*  
 O15:9x4 *Udbhata Kāvyaḷaṁkāra-sārasaṁgraha*  
 O15:9x41 *Pratihārendurāja Laghuvṛtti*  
 O15:9x43 *Rājānaka Tilaka Vivṛti*  
 O15:9x5 *Vamana Kāvyaḷaṁkārasūtravṛtti*  
 O15:9x52 *Gopendra Tippa Bhūpāla Kāmadhenu*  
 O15:9x6 *Rudrata Rudraṭāḷaṁkāra*  
 O15:9x62 *Nami Sādhu Rudraṭāḷaṁkāraṭippaṇa*  
 O15:9x65 *Āśādhara's commentary*  
 O15:9x7 *Anandavardhana Dhvanyāloka*  
 O15:9x73 *Abhinavagupta Kāvyaḷoka-locana*  
 O15:9x731 *Parameśvarācārya Locana-vyākhyā-kaumudī*  
 O15:9x732 *S. Kuppaswāmi Śāstri Upalocana*  
 O15:9x8 *Mammata Kāvyaṭprakāśa*  
 O15:9x81 *Ruyyaka Saṁketa*  
 O15:9x82 *Māṇikyācandra Saṁketa*  
 O15:9x83 *Bhaṭṭagopāla Sāhityacūḍāmaṇi*  
 O15:9x84 *Ratneśvara's commentary*  
 O15:9x85 *Viśvanātha Darpaṇa*  
 O15:9x86 *Vidyācakravartin Brhaṭṭikā or Saṁpradāya pra-  
kāśinī*  
 O15:9x87 *Govinda Ṭhakkūra Pradīpa*  
 O15:9x871 *Vaidyanātha Pradīpaprabhā*  
 O15:9x872 *Nāgogi Bhaṭṭa Pradīpoddya*  
 O15:9x88 *Vāmanācārya's commentary*  
 O15:9xD85 *Rudrabhaṭṭa Śṛṅgāraṭilaka*  
 O15:9xD90 *Ajitasenācārya Alaṁkāracintāmaṇi*  
 O15:9xD91 *Rajasekhara Kāvyaṁimāmsā*  
 O15:9xD92 *Mukula Bhaṭṭa Abhidhāvṛttimāṭṛkā*  
 O15:9xE25 *Ksemendra Aucityavicāracarcā*  
 O15:9xE50 *Kuntala Vakroktiṭivita*  
 O15:9xE51 *Mahimabhaṭṭa Vyaktiviveka*  
 O15:9xE511 *Vyaktiviveka vyākhyā*

## LITERATURE

- O15:9xE55:1** Bhoja *Sarasvatikanthābharana*  
**O15:9xE55:2** Bhoja *Śṛṅgāraprakāśa*  
**O15:9xE551** Ratneśvara *Ratnadarpaṇa*  
**O15:9xE552** Jagaddhara *Tikā*  
**O15:9xE60:1** Mammata *Sabdavyāpāra vicāra*  
  
**O15:9xE89** Hemacandra *Kāvyaṇuśāsana*  
**O15:9xF20:1** Ruyyaka *Alaṃkārasarvasva*  
**O15:9xF20:11** Jayaratha *Alaṃkārasarvasva-vimarśinī*  
**O15:9xF20:12** Samudrabandha *Alaṃkārasarvasva-vyākhyā*  
**O15:9xF20:13** Vidyācakravartin *Saṅjīvinī*  
**O15:9xF20:14** Mankhuka *Alaṃkāra sūtravṛtti*  
**O15:9xF20:2** Ruyyaka *Sāhityamīmāṃsā*  
  
**O15:9xF25** Vagbhata I *Vāgbhaṭālaṃkāra*  
**O15:9xF252** Simhadevagaṇi's commentary  
**O15:9xF90** Śāradātanaya *Bhāvaprakāśa*  
**O15:9xG42** Arisimha *Kavitārahasya* or *Kāvyaikalpalatā*  
**O15:9xG421** Amaraçandra *Kaviśikṣāvṛtti*  
  
**O15:9xG90** Vagbhata II *Kāvyaṇuśāsana*  
**O15:9xG901** Vagbhata *Alaṃkāratilaka*  
**O15:9xH00** Deveśvara *Kavikalpalatā*  
**O15:9xH001** Vecārāma Sārvabhauma's commentary  
**O15:9xH002** Rāmagopāla Kaviratna's commentary  
  
**O15:9xH10** Jayadeva *Candrāloka* or *Pīyūṣavarṣa*  
**O15:9xH101** Pradyotana Bhaṭṭa *Candrālokaprakāśa Sara-*  
*dāgama*  
**O15:9xH102** Viśveśvara or Gāgābhaṭṭa *Rākāgama* or *Sudhā*  
**O15:9xH103** Vaidyanātha Pāyaguṇḍa *Ramā*  
**O15:9xH104** Virūpākṣa *Śāradāśarvarī*  
  
**O15:9xH15** Vidyadhara *Ekāvālī*  
**O15:9xH151** Mallinātha *Taralā*  
  
**O15:9xH16** Vidyanatha *Pratāparudra-yaśobhūṣaṇa*  
**O15:9xH161** Kumārasvāmin *Ratnāpaṇa*  
**O15:9xH30** Śiṅgabhūpāla *Rasārṇava-sudhākara*  
  
**O15:9xH35** Visvanatha *Sāhityadarpaṇa*  
**O15:9xH352** Rāmacaraṇa Tarkavāgiśa *Vivṛti*  
**O15:9xH554** Gopīnātha *Prabhā*

## LITERATURE

- O15:9xH50:1 Bhanudatta *Rasataranginī*  
 O15:9xH50:11 Ghṅgārāma Jaḍi *Naukā*  
 O15:9xH50:2 Bhanudatta *Rasamanjari*  
 O15:9xH50:21 Ananda Paṇḍita *Vyaṅgyārtha kaumudī*  
 O15:9xH50:22 Nāgeśa Bhaṭṭa *Prakāśa*  
 O15:9xH50:23 Śeṣacintāmaṇi *Parimāla*  
 O15:9xH50:24 Gopālācārya *Vikāśa*  
 O15:9xH50:25 Dravida Gopāla Bhaṭṭa *Rasikarañjaṇī*  
 O15:9xH50:27 *Amoda*  
 O15:9xH50:2M80 Badarinātha Śarma *Surabhi*  
 O15:9xJ24 Kavikarnapura *Alaṃkāra-kaustubha*  
 O15:9xJ241 Viśvanāthacakravartin *Alaṃkāra-kaustubha*  
     *sārabodhinī*  
 O15:9xJ242 *Alaṃkāra-kaustubha-kiraṇa*  
 O15:9xJ32 Rūpa Gosvāmin *Uj्जvalanīlamāṇi*  
 O15:9xJ321 Jīva Gosvāmin *Locana-rocaṇī*  
 O15:9xJ322 Viśvanāthacakravartin *Anandacandrikā* or  
     *Uj्जvalanīlamāṇi-kiraṇa*  
 O15:9xJ35 Gaṅgānanda Maithila *Karṇabhūṣaṇa*  
 O15:9xJ53:1 Appayadiksita *Kuvalayānanda*  
 O15:9xJ53:11 Vaidyanātha Tatsat *Alaṃkāra candrikā*  
 O15:9xJ53:12 Āśādhara *Alaṃkāradīpikā*  
 O15:9xJ53:13 Gaṅgādharaḍhvarin or Gaṅgādharaṇāḍhvarin  
     *Rasikaramaṇi*  
 O15:9xJ53:14 Nāgoji Bhaṭṭa *Alaṃkārasudhā*  
 O15:9xJ53:2 Appayadiksita *Citramīmāṃsā*  
 O15:9xJ53:3 Appayadiksita *Vṛttivārtika*  
 O15:9xJ60 Keśava Miśra *Alaṃkāraśekhara*  
 O15:9xJ64 Prabhākara Bhaṭṭa *Rasa-pradīpa*  
 O15:9xJ90 Kavicandra *Kāvya-candrikā*  
 O15:9xK36 Rājacūḍāmaṇidiksita *Kāvya-darpaṇa*  
 O15:9xK40 Nṛsimhakavi *Nañjarājayaśobhūṣaṇa*  
 O15:9xK75:1 Jagannātha *Rasagaṅgādhara*  
 O15:9xK75:11 Nāgeśa Bhaṭṭa *Gurumarma-prakāśikā*  
 O15:9xK75:2 Jagannātha *Citramīmāṃsā-khaṇḍana*  
 O15:9xL00 Viśveśvara Bhaṭṭa *Alaṃkāra-kaustubha*  
 O15:9xL10 Cirañjīvi Bhaṭṭācārya *Kāvya-vilāsa*  
 O15:9xL20 Cirañjīvi Bhaṭṭācārya *Sṛṅgārāḍākinī*

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O15:9xL30	Kṛṣṇa Śarman Maṇḍāramaranda Campu
O15:9xM31	Acyutarāya Sāhityasāra
O15:9xM50	Kṛṣṇa Brahmatantra Parakālaswāmin Alam- kāramanīhāra

### Ancient Tamil Poems. Sangamul

<b>O31:1A</b>	<i>Eṭṭuttokai</i>
O31:1A1	<i>Narrinai</i>
O31:1A2	<i>Kuruntokai</i>
O31:1A3	<i>Aingurunūru</i>
O31:1A4	<i>Patirruppattu</i>
O31:1A5	<i>Pariṇādal</i>
O31:1A6	<i>Kalittokai</i>
O31:1A7	<i>Aganānūru</i>
O31:1A8	<i>Puranānūru</i>
<b>O31:1B1</b>	<i>Padinen kīzhkkanakku</i>
O31:1B21	<i>Nāladīyār</i>
O31:1B22	<i>Nānmaṇikkatikai</i>
<b>O31:1B3</b>	<i>Nānārppatu</i>
O31:1B31	<i>Innā nārppatu</i>
O31:1B32	<i>Iniyavai nārppatu</i>
O31:1B33	<i>Kār nārppatu</i>
O31:1B34	<i>Kalavazhinārppatu</i>
<b>O31:1B4</b>	<i>Aintinai</i>
O31:1B41	<i>Aintinai aimpatu</i>
O31:1B42	<i>Aintinai ezhupatu</i>
O31:1B43	<i>Tinaimozhiyaimpatu</i>
O31:1B44	<i>Tinaimālai nūrraimpatu</i>
<b>O31:1B5</b>	<i>Tirukkural</i>
O31:1B51	<i>Arattuppāl</i>
O31:1B52	<i>Poruṭpāl</i>
O31:1B53	<i>Kāmattuppāl</i>
<b>O31:1B61</b>	<i>Tirukaṭukam</i>
O31:1B62	<i>Acārakkovai</i>
O31:1B63	<i>Pazhamozhi</i>
O31:1B64	<i>Cirupanca mūlam</i>
O31:1B65	<i>Mutumozhikkānchi</i>
O31:1B66	<i>Elādi</i>

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O31:1B67	<i>Kainilai</i>
O31:1B7	<i>Pattuppāttu</i>
O31:1B711	<i>Tirumurukārruppāḍai</i>
O31:1B712	<i>Porunarārruppāḍai</i>
O31:1B721	<i>Cirupānarruppāḍai</i>
O31:1B722	<i>Perumpānarruppāḍai</i>
O31:1B731	<i>Mullaippāttu</i>
O31:1B732	<i>Maturaikkāñchi</i>
O31:1B741	<i>Nedunalvāḍai</i>
O31:1B742	<i>Kuruñchippāttu</i>
O31:1B751	<i>Paṭṭinappālai</i>
O31:1B752	<i>Malaiapaṭu kaḷām</i>
O31:1B8	<i>Pancha kāvyaṃ</i>
O31:1B81	<i>Cīvaka cintāmaṇi</i>
O31:1B82	<i>Cilappadikāraṃ</i>
O31:1B83	<i>Maṇimekalai</i>
O31:1B84	<i>Valaiyaṭṭi</i>
O31:1B85	<i>Kundalakeci</i>

### Kannarese Poetics and Prosody

O33:1:9x1	<i>Kavirāja mārgam</i>
O33:1:90Px1	<i>Nāgavarma Chandombudhi</i>
O33:1:90Px2	<i>Nandi Chandas</i>

### Telugu Prosody

O35:1:90Px1	Bhīmakavi (Vemulavāḍa) <i>Kavijanāśrayamu</i>
O35:1:90Px2	Ananta <i>Anantuni chandamu</i> or <i>chandodarpaṇamu</i>
O35:1:90Px3	Tātambhaṭṭa (Mannulakṣaṇakavi) <i>Sulakṣaṇasāraṃamu</i>
O35:1:90Px4	Kastūriraṅgayya <i>Anandarāṅgarāṭchandamu</i>
O35:1:90Px94	Subrahmaṇya Śāstri (A) <i>Kāvyaḍaṛṣamu</i>
O35:1:90PxJ45	Ramabhadra Kavi <i>Kavijana sanjīvinī</i>



## P LINGUISTICS

P [L]: [S] [P]: [E]

<i>Common subdivisions of variants</i>		15:A .	Ancient or Vedic Sanskr̥t
01	Dialect	15:B	Epic Sanskr̥t
04	Slang	15:C	Classical Sanskr̥t
05	Jargon	—	—
<i>Stage Numbers (illustrative)</i>		31:A	Ancient Tamil
111:D	Old English	31:J	Modern Tamil
111:E	Middle English	—	—
111:J	Modern English	33:A	Ancient Kanarese
—	—	33:E	Old Kanarese (Hala Kanarese)
113:D	Old German	33:J	Modern Kanarese (Hosa Kanarese)
113:E	Middle German		
113:J	Modern German		
—	—	<i>Divisions based on the train of Problem or P Characteristic</i>	
114:D	Old Swedish	1	Sound, phonetics, phonology
114:J	Modern Swedish	12	Accent
—	—	122	Quantity. Stress accent
115:D	Old Norse	123	Quality, pitch, pitch accent
115:J	Modern Norwegian	13	Conditional changes, combinative changes, e.g., Umlaut, Verner's Law
—	—	14	Sudden changes, loss, appearance
117:D	Old Icelandic	15	Changes due to analogy
117:J	Modern Icelandic		
—	—		
122:A	Old French		
122:F	Middle French		
122:H	Modern French		
—	—		
1295:D	Old Irish		
1295:E	Middle Irish		
1295:N	Modern Irish		

# LINGUISTICS

16	Unconditional changes, isolative changes, <i>e.g.</i> , Grimm's Law	336	Adjuncts to predicate
18	Representation	38	Function by position
2	Structure, morphology	4	Meaning for a given element, semasiology
21	Number	5	Element for a given idea
22	Gender	52	Adaptation of existing elements
23	Case	53	Coining of elements
24	Degrees of comparison	58	Borrowing from other languages
25	Person	7	Composition
26	Mood	75	Figure of speech, imagery
27	Tense		
28	Derivation if applied to <i>words</i> , transformation if applied to <i>sentences</i>		
291	Composition if applied to <i>words</i> , synthesis if applied to <i>sentences</i>		<i>Divisions based on the train of Element or E Characteristic</i>
3	Function, syntax	1	Isolated sound, phonemes
301	Number	11	Vowel
302	Gender	111	Back
303	Case	115	Mixed
304	Degrees of comparison	118	Front
305	Person		<i>Common subdivisions for 11 and its subdivisions</i>
306	Mood	01	Close
307	Tense	03	Half close
31	Function by accent	05	Half open
33	Analysis	07	Open
331	Subject	08	Nasal
332	Adjuncts to subject	13	Diphthongs
335	Predicate	15	Consonants
		151	Glotted
		152	Circular

# LINGUISTICS

153	Velar	32	Adjective
154	Palatal	321	Proper
155	Post-dental alveolar	322	Descriptive
156	Predental	323	Quantitative
157	Labiodental	324	Demonstrative
158	Bilabial	325	Distributive
<i>Common subdivisions for 15 and its subdivisions</i>		33	Numeral
01	Plosive	331	Cardinal
02	Lateral	335	Ordinal
03	Rolled	34	Pronoun
04	Fricative	341	Personal
05	Semi-vowel	344	Demonstrative
08	Nasal	345	Relative
16	Voiced consonants	346	Interrogative
<i>To be subdivided as '15'</i>		35	Verb
17	Unvoiced consonants	351	Finite form
<i>To be subdivided as '15'</i>		353	Infinitival form
2	Syllable	354	Infinitive
203	Formative elements, prefixes, suffixes infixes	356	Gerund
27	Specific syllables	357	Participle
3	Word	359	Special form
301	Root	3591	Auxiliary
302	Stem	3594	Defective
303	Compound word	3597	Anomalous
305	Loan words	36	Adverb
31	Noun	361	Simple
311	Concrete	365	Relative
312	Proper	366	Interrogative
313	Common	37	Preposition
314	Class	371	Simple
315	Collective	372	Compound
316	Material	373	Participial
317	Abstract	377	Disguised
		38	Conjunction
		381	Subordination
		385	Co-ordination

# LINGUISTICS

391	Interjection	7	Pieces of composition
397	Specific words		
4	Phrases		<i>To be divided by</i>
	<i>To be divided as '3'</i>		Form characteristic
5	Clauses	794	as in O Literature
	<i>To be divided as '3'</i>	8	Anagrams
		88	Punctuation
6	Sentences	9	Representation
601	Simple		Materials for practice, readers
605	Compound		<i>To be divided if necessary</i>
607	Complex		by grades

## Class numbers by Classic Device (illustrative) Vedic Sanskrit

P15:10A $\pi$ 1	Śaunaka <i>R̥gvedaprātiśākhya</i>
P15:10A28:3 $\pi$ 1	Yāska <i>Nirukta</i>
P15:10A28:3 $\pi$ 12	Durgācārya <i>R̥jvartha</i>
P15:10A28:3 $\pi$ 14	Skandasvāmin's commentary
P15:10A28:3 $\pi$ 15	Maheśvara's commentary
P15:10A28:3 $\pi$ 16	Devarājajayvan's commentary
P15:10A28:4 $\pi$ 1	<i>Nighantū</i>
P15:25A $\pi$ 1	<i>Taittirīya-prātiśākhya</i>
P15:25A1 $\pi$ 1	Vyāsa <i>Vyāsaśikṣā</i>
P15:25A1 $\pi$ 8	Śrīvatsāṅka <i>Saptalakṣaṇa</i>
P15:26A $\pi$ 1	Kātyāyana <i>Vājasaneyya-prātiśākhya</i>
P15:30A $\pi$ 1	<i>Sāmaveda-prātiśākhya</i>
P15:30A $\pi$ 2	<i>Puṣpasūtra</i>
P15:30A $\pi$ 3	<i>Pañcavidhasūtra</i>
P15:40A $\pi$ 1	<i>Atharvaveda-prātiśākhya</i>

## Classical Sanskrit

P15:C $\pi$ 1	Panini <i>Aṣṭādhyāyī</i>
P15:C $\pi$ 11	Kātyāyana or Vararuci <i>Vṛtti</i>
P15:C $\pi$ 12	Patanjali <i>Mahābhāṣya</i>
P15:C $\pi$ 121	Kaiyyaṭa <i>Mahābhāṣya-pradīpa</i>
P15:C $\pi$ 1211	Nāgoji Bhaṭṭa or Nāgeśa Bhaṭṭa <i>Mahābhāṣya-pradīpodyota</i>

## LINGUISTICS

- P15:Cx1212 *Isvarānanda Mahābhāṣya-pradīpavivaraṇa*
- P15:Cx13 *Jayaditya or Vamanajayaditya Kāśikāvṛtti*
- P15:Cx131 *Haradatta Miśra Padamañjarī*
- P15:Cx132 *Jinendra Kāśikāvṛtti-pañcīkā or Nyāsa*
- P15:Cx14 *Bhartrhari Dīpikā*
- P15:Cx15 *Bhattojīdīkṣita Śabda-Kaustubha*
- P15:Cx151 *Bālabhāṭṭa or Vaidyanātha Pāyaguṇḍe Prabhā*
- P15:Cx16 *Bhattojīdīkṣita Siddhānta Kaumudī, Laghu Kaumudī, Madhya Kaumudī*
- P15:Cx161 *Bhaṭṭojīdīkṣita Manoramā, Praudha-manoramā*
- P15:Cx1611 *Harīdīkṣita Śabdaratna, Laghu-śabdaratna*
- P15:Cx16111 *Bālabhāṭṭa or Vaidyanātha Pāyaguṇḍe Bhāva-prakāśīkā*
- P15:Cx1612 *Kauṇḍa Bhāṭṭa Praudha-manoramā khandana*
- P15:Cx162 *Jñānendra Sarasvatī Tattva-bodhinī*
- P15:Cx163 *Nāgoji Bhāṭṭa or Nāgeśa Bhāṭṭa Śabdendu-śekhara, Laghu-śabdenduśekhara*
- P15:Cx1631 *Bālabhāṭṭa or Vaidyanātha Pāyaguṇḍe Cīdas-thimālā*
- P15:Cx164 *Jayakṛṣṇa Subodhinī*
- P15:Cx165 *Vāsudevadīkṣita Bālamānoramā*
- P15:Cx17 *Ramacandrācārya Prakriyā kaumudī*
- P15:Cx171 *Viṭṭhalācārya Prakriyākaumudī-prasāda*
- P15:Cx172 *Jayanta Tattvacandra*
- P15:Cx19 *Paribhāṣas*
- P15:Cx191 *Śiradeva Paribhāṣāvṛtti*
- P15:Cx192 *Bhāskara Bhāṭṭa Laghu-paribhāṣā-vṛtti*
- P15:Cx193 *Paribhāṣārtha-saṃgraha*
- P15:Cx1931 *Svayamprakāśānanda Candrikā*
- P15:Cx194 *Nāgoji Bhāṭṭa or Nāgeśa Bhāṭṭa Paribhāṣendu-śekhara*
- P15:Cx1941 *Bālabhāṭṭa or Vaidyanātha Pāyaguṇḍe Paribhāṣendu-śekhara-kaṣīkā*
- P15:Cx195 *Nilakaṇṭhadīkṣita Paribhāṣā-vṛtti*
- P15:Cx1E00 *Dharmakīrti Rūpavatāra*
- P15:Cx1F90 *Puruṣottamadeva Bhāṣā-vṛtti*
- P15:Cx1K10 *Annambhāṭṭa Vyākaraṇamitākṣara*
- P15:Cx1M40 *Oraṃbhāṭṭa Vyākaraṇadīpikā*

## LINGUISTICS

- P15:Cx2** Candragomin *Candra-vyākaraṇa*  
**P15:Cx21** Candragomin *Candra-vṛtti*  
**P15:Cx25** Kāśyapa *Bālāvabodha*  
**P15:Cx3** Jainendra or Indra or Devanandi or Puṣya-  
 padaswami *Jainendra-vyākaraṇa*  
**P15:Cx31** Devanandi *Mahāvṛtti*  
**P15:Cx32** Somadeva *Śabdārnava Candrikā*  
**P15:Cx33** Abhayanandi *Mahāvṛtti*  
**P15:Cx34** Śrutakīrti *Pañcavastu*  
**P15:Cx4** Sakatayana *Śabdānuśāsa*  
**P15:Cx41** Śakatāyana *Amoghavṛtti*  
**P15:Cx42** Prabhacandrācārya *Nyāsa*  
**P15:Cx43** Yakṣavarṇa *Cintāmaṇi*  
**P15:Cx431** Ajitasenācārya *Maṇiprakāśikā*  
**P15:Cx432** Maṅgarāsa *Cintāmaṇi-pratipada*  
**P15:Cx433** Sāmantabhadra *Tippaṇi*  
**P15:Cx435** Abhayacandrācārya *Prakriyā-saṅgraha*  
**P15:Cx436** Dayapāla *Rūpasiddhi*  
**P15:Cx5** Hemacandra *Śabdānuśāsa*  
**P15:Cx51** Hemacandra *Śabdānuśāsa-brhadvṛtti*  
**P15:Cx511** *Nyāsa*  
**P15:Cx512** *Dhūndhikā* or *Brhadvṛtti*  
**P15:Cx513** Devendrasūri *Haimalaghu-nyāsa*  
**P15:Cx514** *Śabdamahārṇava-nyāsa*  
**P15:Cx55** Vinayavijayaṇi *Haimalaghu-prakriyā*  
**P15:Cx551** Vimalavijayaṇi *Haimaprakāśa*  
**P15:Cx56** Meghavijaya *Haimakaumudī, Candraprabhā*  
**P15:Cx57** Puṇyasundaragaṇi's commentary  
**P15:Cx59** Paribhasas  
**P15:Cx591** Hemahamsavijayaṇi's commentary  
**P15:Cx5911** Hemahamsavijayaṇi *Nyāyārthamañjūṣā*  
**P15:Cx6** Śārvavarman *Kātantra-sūtrapāṭha*  
**P15:Cx61** Durgasimha *Kātantravṛtti*  
**P15:Cx611** Vardhamāna *Kātantravistāra*  
**P15:Cx6111** Pṛthvidhara's commentary  
**P15:Cx612** Trilocanadāsa *Kātantravṛtti-pañcikā*  
**P15:Cx6121** Jinaprabhasūri *Jinaprabodha*

# LINGUISTICS

P15:Cx6122	Kuśala's commentary
P15:Cx6123	Rāmacandra's commentary
P15:Cx613	Mahādeva <i>Sabdasiddhi</i>
P15:Cx66	Bhaṭṭa Jagaddhara <i>Bālabodhinī</i>
P15:Cx661	Ugrabhūti <i>Bālabodhinī-nyāsa</i>
P15:Cx67	Chichubhaṭṭa <i>Laghuvṛtti</i>
P15:Cx7	Narendracarya <i>Sārasvata-sūtras</i>
P15:Cx71	Anubhūtiśvarupācārya <i>Sārasvata-prakriyā</i>
P15:Cx711	Kuñjarāja's commentary
P15:Cx712	Amṛtabhāratī <i>Subodhikā</i>
P15:Cx713	Kṣemendra's commentary
P15:Cx714	Candrakīrti <i>Dīpikā</i>
P15:Cx715	Mādhava's commentary
P15:Cx716	Vāsudeva Bhaṭṭa <i>Sārasvataprakāśa</i>
P15:Cx717	Maṇḍana's commentary
P15:Cx718	Megharatna's commentary
P15:Cx71J50	Dhaneśvara's commentary
P15:Cx71J70	Jagannātha <i>Sārapradīpikā</i>
P15:Cx71J90	Kāśinātha <i>Sārasvatabhāṣya</i>
P15:Cx71J95	Bhaṭṭa Gopāla's commentary
P15:Cx71K20	Sahajakīrti <i>Sārasvataprakriyā-vārtika</i>
P15:Cx71K50	Hamsavijayagaṇi <i>Sabdārtha-candrikā</i>
P15:Cx71K80	Rāmabhaṭṭa <i>Rāmabhaṭṭi</i> or <i>Vidvat-prabodhinī</i>
P15:Cx72	Rāmacandraśrama <i>Siddhānta-candrikā</i>
P15:Cx721	Lokeśakara <i>Tattvadīpikā</i>
P15:Cx722	Sadānandagaṇi <i>Subodhinī</i>
P15:Cx73	Tarkatilaka Bhaṭṭācārya's commentary
P15:Cx74	Jinendu or Jinaratna <i>Siddhāntaratna</i>
P15:Cx75	Raghunātha <i>Laghubhāṣya</i>
P15:CxF60	Vopadeva or Bopadeva <i>Mugdhabodha</i>
P15:CxF605	Rāmatarakavāgiśa's commentary
P15:CxF609	Paribhāṣās
P15:CxF6091	Rāmacandra Vidyābhūṣaṇa <i>Paribhāṣā-vṛtti</i>
P15:CxK20	Nārāyaṇa Bhaṭṭa <i>Prakriyāsarvasvam</i>
P15:CxK203	<i>Prakāśikā</i>
P15:C:301x1	Panini <i>Dhātupāṭha</i>
P15:C:301x11	Maitreyarākṣita <i>Dhātupradīpa</i> or <i>Tantrapradīpa</i>



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- P15:C:301x12 Bhīmasena *Commentary*  
P15:C:301x13 Kṣīrasvāmin *Dhātuvṛtti*  
P15:C:301x14 Mādhavācārya or Sāyanācārya *Mādhavīya-dhātuvṛtti*  
P15:C:301xF60 Bopadeva or Vopadeva *Kavikalpadruma*  
P15:C:301xF601 Bopadeva or Vopadeva *Kāmadhenu*  
P15:C:302x1 Panini *Gaṇapātha*  
P15:C:302x12 Kṣīrasvāmin *Gaṇavṛtti*  
P15:C:302x13 Vardhamāna *Gaṇaratnamahodadhi*  
P15:C:303x1 Panini *Unādi-sūtras*  
P15:C:303x5 Hemacandra *Unādi-sūtras*  
P15:C:303xL70 Bharata Mallika *Kārakollāsa*  
P15:C2:31x51 Amaracandra *Syādisamuccaya*  
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P15:C22x1 Panini *Līngānuśāsana*  
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P15:C22x13 Vāmana *Līngānuśāsana*  
P15:C22x2 Candragomin *Līngānuśāsana*  
P15:C22x4 Sakatayana *Līngānuśāsana*  
P15:C22x5 Hemacandra *Līngānuśāsana*  
P15:C22x51 Śrīvallabha Vācanācārya *Durgapada-prabodha*  
P15:C22xD50 Harṣavardhana *Līngānuśāsana*  
P15:C3x4 Bhartṛhari *Vākyapradīpa*  
P15:C3x5 Kondabhatta *Vaiyākaraṇabhūṣaṇa*  
P15:C3x51 Harivallabha *Bhūṣaṇasāradarpaṇa*  
P15:C3x511 Vaidyanātha Pāyaguṇḍe or Bālabhātṭa  
*Laghubhūṣaṇa-kānti*  
P15:C3x6 Nagesa Bhatta or Nagoji Bhatta *Vaiyākaraṇa-siddhānta-māñjūṣā*  
P15:C3x61 Vaidyanātha Pāyaguṇḍe or Bālabhātṭa *Kalā*  
P15:C4x1 Amarasimha *Amraakoṣa* or Nāmalingānuśāsana  
P15:C4x11 Kṣīrasvāmin *Amaraakoṣodghāṭana*  
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P15:C4x13 Subhūti or Subhūticandra *Kāmadhenu*  
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P15:C4x15 Bhanujidīkṣita *Vyākhyāsudhā* or Rāmāśrami

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P15:C4x1F90	Maheśvara <i>Amaraviveka</i>
P15:C4x1L90	Gurubāla-prabodhikā
P15:C4x2	Yadavaprakasa <i>Vaijayantī</i>
P15:C4x3	Maheśvara <i>Viśvaprakāśa</i>
P15:C4x4	Sasvata <i>Anekārthasamuccaya</i>
P15:C4x5	Halayudha <i>Abhidhānaratnamālā</i>
P15:C4x6	Trikandasesa <i>Kośasamuccaya</i>
P15:C4xF90	Keśavasvāmin <i>Nānārthārṇava Saṃkṣepa</i>
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P31:Dx11	Ilampūraṇar <i>Commentary</i>
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P31:Jx13	Subrahmaṇya Dikṣitar <i>Prayoga-vivekam</i>
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- P31:Jx15 Sankaranamassivāyar *Urai*  
P31:Jx18 Narkavi Rājanambī *Ahapporul-vilakkam*  
P31:JxK40 Vaidyanātha Deśikar *Ilakkana-vilakkam*  
P31:J4xJ96 Cidambararevaṇa Siddhar *Akarādi-nighaṇṭu*  
P31:J4xL95 Subrahmanya Bhārati *Poruṭṭogai-nighaṇṭu*  
P31:J4xM00 Muttuswami Pillai *Nānārthadīpikai*
- Kanarese
- P33:E4x1 Nāgavarma *Abhidhāna-vastukōśa*  
P33:E4xH50 *Karṇāṭaka Śabdasāra*
- Telugu
- P35:Ex1 Nannayabhaṭṭācārya *Andhra-śabda-cintāmaṇi*  
P35:Ex11 Ahobalapāṇḍita *Ahobalapāṇḍitīyamu* or  
*Kaviśirobhūṣaṇamu*  
P35:Ex12 Narasiṃharāja Siṃhudu Balārisiṃha *Kavijanāṇ-  
janamu*  
P35:Ex13 Appakavi *Appakavīyamu*  
P35:Ex17 Bālasaraswati *Bālasaraswatīyamu*  
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P35:Ex2 Ātharvaṇācārya *Ātharvaṇa-kārikāvalī*  
P35:Ex3 Ketanakavi *Andhra-bhāṣā-bhūṣaṇamu*  
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P35:Ex5 Timmaya *Sarvalakṣaṇa-sārasaṅgrahamu*  
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vicchedamu*  
P35:ExM60 Cinnaya Sūri (Paravastu) *Bāla-vyākaraṇamu*  
P35:ExM601 Saṅkara Raṅgayya and Venkaṭarāma Śāstri  
(Kalluri) *Bālavvyākaraṇa-guṇṭārtha-prakā-  
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P35:E4x1 Lakṣmaṇuḍu (Paḍipāṭi) *Andhra-nāma-saṅgra-  
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<b>Religion or R</b>	2215	Rādhaits
<i>Characteristic</i>	22151	Viṣṇuswāmins
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<b>11 Rgvedic</b>	2216	Caitanyas
<b>111 Aitareyins</b>	222	Pāñcarātra
<b>112 Kauśītakins</b>	2221	Śrī Vaiṣṇava
<b>12 Yajur Vedic</b>	22211	Vadagalais
<b>121 Black Yajur Vedic</b>	22212	Tengalais
<b>122 Kāthakas</b>	2222	Manbhāu
<b>123 Kāpiṣṭhala Kāthas</b>	223	Nārasimhas
<b>124 Maitrāyaṇīyas</b>	224	Rāmas
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<b>13 Sama Vedic</b>	2315	Nāthas
<b>131 Tāṇḍins</b>	2316	Raseśvaras
<b>132 Tālavakāras or Jai-</b>	232	Āgamic Śaivism
<b>miniya</b>	233	Kāṣmīr Śaivism
<b>133 Rāṇāyaniya</b>	234	Vīraśaivism
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<b>141 Śaunakiya</b>	25	Saktivism
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<b>21 Smartaism</b>	256	Kaulācārins
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<b>221 Bhāgavatas</b>	28	Sauratism
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2998	Village god-worship- pers		yana (Tibet)
	<i>Other post vedic religions to be divided by the Chronological Device (Illustrative)</i>	44	Mahayana (China)
		441	Ch'an
		442	Chiao-men
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29J44	Sāds	445	Hsien shou or Hua yen
29M28	Bramo Samāj		
29M75	Ārya Samāj	446	Tz'u en or Fa
3	<b>Jainism</b>		Hsiang
31	<b>Svetambaras</b>	448	Ching t'u
311	Pujeras	45	<b>Mahayana (Japan)</b>
312	Dhūndias	451	Hosso
313	Terapanthis	452	Sanron
32	Digambaras	453	Kegon
321	Bispanthis	454	Tendai
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4	<b>Buddhism</b>	4596	Zen
41	<b>Hinayana</b>		
411	Mahāsānghikas	5	<b>Judaism</b>
412	Mahīśāsakas	51	Palestine
413	Lokottaravādins	52	Babylonian
414	Sarvāstivādins	58	Zionist
415	Mūlasarvāstivādins	6	<b>Christianity</b>
416	Dharmaguptas	61	Early churches
417	Sammitiyas	611	Greek
4182	<b>Hinayana Sects of Japan</b>	613	Armenian
		618	Russian
41821	Kusha	62	Roman Catholic
41822	Pitsu	63	Protestant
41823	Jojitsu	64	Presbyterian
42	<b>Mahayana (Indian and general)</b>	65	Puritan
		66	Quakers

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68	<i>Others by the Chronological Device</i> ( <i>Illustrative</i> )	QM75	Theosophy <i>Divisions based on Problem or P Characteristic</i>
68L4	New Church		
68L6	Methodists	1	Mythology, etc.
68M6	Christian Science	2	Scripture
		25	Sayings
7	Muhammadanism	26	Traditions
71	Sunnis		<i>Subdivisions for Religion Division</i>
711	Heneifi		'1 Hinduism (Vedic)'
712	Shafi'l		
713	Maliki	21	Samhitās
714	Henbeli	22	Brāhmaṇas
72	Shi'ahs	23	Āraṇyakas
73	Mu'tazilites	24	Upaniṣads
77	Wahābis		<i>Subdivisions for Religion Division</i>
78	<i>Others by the Chronological Device</i> ( <i>Illustrative</i> )		'2 Hinduism (Post-vedic)'
78M5	Bahaism	21	Relevant selections from the Vedas
78M9	Ahamadiyas	22	Relevant selections from Purāṇas
8	Other Religions	23	Samhitās, āgamas, tantras
	<i>Divided by the Geographical Device and Favoured Category Device</i> ( <i>Illustrative</i> )	24	Upaniṣads
8411	Preconfucianism	3	Theology
8412	Confucianism	31	God
8413	Lao-Tseism. Taoism	311	<i>Avasara</i>
8421	Shintoism	315	<i>Avatāra</i>
8441	Sikhism	32	Angels, devils, etc.
8451	Zoroastrianism	324	<i>Nava grahas</i> (Planets)
8452	Manichaeism	33	Founders of religion
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	<i>To be individualised by the Chronological Device</i> ( <i>Illustrative</i> )	34	Man, soul
		35	Salvation
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353	Faith	4192	Rituals
354	Repentance	4193	Gifts
355	Regeneration	4194	Appeasement
356	Grace	4195	Expiation
36	Eschatology	4196	Devotion
361	Death	4198	Pilgrimage
362	Intermediate state	42	Sacraments ( <i>Grh-</i> <i>yasūtrās</i> in Vedic religion)
363	Judgment		
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367	Eternity	427	Marriage
368	Immortality	428	Obsequies
369	Other topics	4284	Pollution
37	Universe	4288	Anniversary rites
38	<i>Sthala</i> (local) <i>purāṇas</i>	42891	<i>Satī</i>
39	Other topics	429	Other topics
396	Revelation	43	Holy days
4	Religious practices ( <i>Kalpasūtrās</i> in Vedic religion)	433	Fasts
41	Personal	437	Vigils
411	Initiatory	44	Didactics ( <i>Dharmā-</i> <i>sūtrās</i> in Vedic religion)
412	Meditative	447	Monkhood
413	Evangelistic	448	Penance
414	Worship	45	Public worship
4146	Prayer	451	Ecclesiology
415	Symbolism	452	Consecration
416	Sacred furniture ( <i>Sulvasūtrās</i> in Vedic religion)	454	Worship
417	Hymns	456	Sacred furniture
4173	<i>Nāmāvali</i>	457	Festivals
418	Sacred formulæ, in- cantations	458	Temple priests
		46	<i>Gotrapravara</i> in Vedic religion
		49	Other topics
		494	Sacrifices
		495	Holy waters



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<b>5</b>	<b>Preaching, etc.</b>	<b>Q1 Hinduism (Vedic)</b>
<b>51</b>	Preaching	<i>Samhitās</i>
<b>52</b>	Sermons	
<b>53</b>	Pastoral visitations	Q125:214 Ekāgnikāṇḍa,
<b>57</b>	Societies for parish work	Mantrapraśna, Mantrapāṭha
		Q131:211 Arcika
<b>6</b>	<b>Religious institu-</b>	Q131:212 Āraṇyaka
	<b>tions</b>	Q131:213 Uttarārcika
<b>61</b>	Religion and its re-	Q131:214 Stobha
	lation to other in-	Q131:215 Veyagāna
	stitutions	Q131:216 Araṇyagāna
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<b>62</b>	Ecclesiastical polity	Q131:218 Rahasyagāna
<b>621</b>	Clergy	
<b>6211</b>	Apostolic succession	<i>Brāhmaṇas</i>
<b>6212</b>	Papacy	Q112:22 Sāṅkhāyana
<b>6213</b>	Episcopate	Q127:22 Śatapatha
<b>6214</b>	Lay ministry	
<b>65</b>	Missions	Q131:23 Sāmavidhāna
<b>67</b>	Monastic orders	Q131:221 Pancavimśa
<b>68</b>	Religious associa-	Q131:222 Śaḍvimśa
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<b>682</b>	Other topics	Q125:25 Nārāyaṇa, Yājñik
		Q125:26 Śvetāśvatara
<b>7</b>	<b>Religious sects</b>	Q127:24 Bṛhadāraṇyaka
<b>8</b>	<b>Heresies and perse-</b>	Q127:25 Īśāvāsyā
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	<b>Sacred Books</b>	
	<i>with special names</i>	Q141:24 Praśna
	<b>and Classics</b>	Q141:25 Muṇḍaka
	<i>(Illustrative).</i>	Q141:26 Māṇḍukya

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Q11:4x11 Āśvalāyana	<i>Dharma Śāstrās</i>
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Q124:4x1 Mānava	Q2:4x11 Medhātithi
Q124:4x2 Kāṭhaka	Q2:4x12 Kullūkabhaṭṭa
Q124:4x3 Varāha	Q2:4x13 Govindarāja
Q125:4x1 Baudhāyana	Q2:4x14 Nandana
Q125:4x2 Apastamba	Q2:4x15 Sarvajña Nārāyaṇa
Q125:4x3 Bhāradvāja	Q2:4x16 Nārāyaṇa
Q125:4x4 Hiranyakeśin	Q2:4x17 Rāghavendra
Q125:4x5 Vādhūla	Q2:4x18 Rāmacandra
Q126:4x6 Vaikhānasa	Q2:4x2 Yajñavalkya
Q127:4x1 Kātyāyana	Q2:4x21 Viśvarūpa
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	Q2:4x7 Viṣṇu
	Q2:4xD75 Asahāya
Q2:4xH80	Vidyākara Vājapeyi <i>Nityācārapaddhati</i>
Q2:4xK26	Kamalākara Bhaṭṭa <i>Nirṇayasindhu</i>
Q2:4xL50	Kāśinātha <i>Dharmasindhu</i>
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Q2:4xx6	Gopinātha <i>Samskāraratnamālā</i>
Q2:4xxF50	Devana Bhaṭṭa <i>Smṛticandrikā</i>
Q2:4xxL50	Narasimha Vājapeyi <i>Nityācārapradīpa</i>
Q2:4xxJ20	Raghunātha <i>Smṛtitattva</i>
Q2:4xxJ30	Viśwambhara Trpāṭhi <i>Smṛtisāroddhāra</i>

## RELIGION

- Q2:4zxK20 Mitra Miśra *Vīramitrodaya*  
 Q2:4zxK70 Ratnākara *Jayasimha kalpadruma*  
 Q2:4zxL25 Ananta Bhaṭṭa *Vidhānapārijāta*  
 Q2:41zxG60 Hemādri *Caturvargacintāmaṇi*  
 Q2:41zxI60 Gadādhara *Gadādhara paddhati*  
 Q2:41zxK30 Vaidyanātha Dikṣita *Smṛtimuktāphala*  
 Q2:4193zxJ40 Govindānanda *Dānakriyākaumudī*  
 Q2:4193zxJ61 Bhaṭṭa Nilakaṇṭha *Dānamayūkha*  
 Q2:4195zxJ50 Nāgeśa Bhaṭṭa *Vrātya prāyaścitta nirṇaya*  
 Q2:4195zxK60 Nāgoji Bhaṭṭa *Prāyaścittenduśekhara*  
 Q2:4198zxJ80 Bhaṭṭoji Dikṣita *Tristhaḥsetu*  
 Q2:4198zxH30 Vācaspati Miśra *Tīrtha cintāmaṇi*  
 Q2:4198zx82 Dalapati Rāja *Nṛsimhaprasāda tīrthasāra*  
 Q2:42zxE55 Śrīdharācārya *Smṛtyarthasāra*  
 Q2:42zxH25 Caṇḍeswara Ṭhakūra *Gr̥hasṭha ratnākara*  
 Q2:42zxH75 Madanapāla *Madanapārijāta*  
 Q2:42zxJ61 Śankara Bhaṭṭa *Samskāra mayūkha*  
 Q2:428zxF70 Aniruddha Bhaṭṭa *Hārālatā*  
 Q2:428zxK80 Divākara Bhaṭṭa *Śrāddha candrikā*  
 Q2:4284zxI96 Ādityācārya *Ṣaḍaṣṭi*  
 Q2:4284zxL20 Bhaṭṭa Raghunātha *Tṛṃśacchlokī*  
 Q2:4288zxL25 Śeṣakṛṣṇa Paṇḍita *Dharmānubandhi ślokatu-  
rdaśi*  
 Q2:43zxL50 Vāsudevaratha *Smṛtiprakāśa*  
 Q2:43zxF10 Jimūtavāhana *Kālaviveka*  
 Q2:45zxI26 Nārāyaṇa *Tantrasamuccaya*  
 Q21 Smartaism Q21:224 Vāmana  
     *Relevant Selections* Q21:225 Brahmāṇḍa  
     *from Vedas* Q21:2251 Adhyātma Rāmā-  
                                     yāṇa  
 Q21:21x1 Puruṣasūktam Q21:2252 Rāma gītā  
     *Purāṇas* Q21:226 Yogavāsīṣṭha Rā-  
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 Q21:221 Brahma Q21:227 Ānandarāmāyāṇa  
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Q22wx2	Candradatta	Q22:225	Brahmavaivarta
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		Q22:2291	Kalki
		Q22:2292	Narasimha
		Q22:2293	Bhārgava

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Q22:417x1	Nalayira divya prabandham
Q22:417x1	First thousand
Q22:417x1:11	Tiruppallāṇḍu (Periyāzhvār)
Q22:417x1:12	Tirumozhi (Periyāzhvār)
Q22:417x1:13	Tiruppāvai (Āṇḍāl)
Q22:417x1:14	Nācchiyār tirumozhi (Āṇḍāl)
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Q22:417x1:16	Tiruchanda viruttam (Tirumazhiśai Āzhvār)
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Q22:417x1:18	Tiruppalliezhucci (Toṇḍaraḍippoḍi Āzhvār)
Q22:417x1:191	Amalanāḍippirān (Tiruppāñāzhvār)
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Q22:417x1:22	Tirukkuruntāṇḍagam (Tirumangai Āzhvār)
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Q22:417x1:37	Periyatiruvandādi (Nammāzhvār)

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- Q22:417x1:38 Tiruvezhukūṟṟirukkai (Tirumaṅgai Āzhvār)  
 Q22:417x1:391 Śiriyatirumaḍal (Tirumaṅgai Āzhvār)  
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 Q22:417x1:4 Fourth thousand  
 Q22:417x1:41 Tiruvāymozhi (Nammāzhvār)  
 Q22:417x1:42 Irāmānuśa *Nūṟṟandādi*

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- Q22:4173x1 *Viṣṇu sahasranāma*  
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- |            |                 |          |              |
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| Q22        | Pancaratra      | Q23:223  | Linga        |
|            | <i>Samhitās</i> | Q23:224  | Gaṇeśa       |
| Q222:231   | Pauṣkara        | Q23:2244 | Gaṇeśagītā   |
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| Q222:235   | Padma           | Q23:2262 | Brahmagīta   |
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- |                              |                                 |            |                               |
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- Q31:21213 Jivābhigama
- Q31:21214 Prajñāpanā  
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- Q31:21215 Sūryaprajñāpti  
(Sūriyapaṇṇatti)
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- Q31:213 Prakīrṇas  
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- Q31:21311 Vīrabhadra  
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- Q31:4x6 *Srāddhapratikra-*  
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<b>R12</b>	Deductive	<b>R3 [V]: [S]</b>	
<b>R13</b>	Dialectics	<i>Divisions based on</i>	
<b>R14</b>	Symbolic, formal, mathematical ( <i>Alternative</i> to B:R 1)	<b>View or V</b>	<i>Characteristic</i>
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<b>R17</b>	Scientific method	2	Idealism and realism
<b>R19</b>	Special topics	21	Idealism
<b>R191</b>	Definition	25	Realism
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<b>R194</b>	Fallacies, sophisms	51	Monism
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<b>R198</b>	Probability	6	Teleology
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<b>R2</b>	<b>Epistemology</b>	9	Other special views
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<b>R211</b>	Sense-perception		( <i>Illustrative</i> )
<b>R212</b>	Inference	9G	Genetic
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<b>R24</b>	Validity of knowledge	1	Personal ethics
<b>R29</b>	Special topics	11	Truth and falsehood
<b>R292</b>	Truth and error	12	Humility, egoism, modesty, pride

# PHILOSOPHY

13	Temperance	231	Guardian
14	Gentleness, cruelty,	235	Ward
	tolerance, envy,	24	Dependent relative
	sweetness, anger	241	Conduct towards
15	Chastity, celibacy,		dependent re-
	adultery, im-		lative
	moral habits	245	Conduct of depen-
16	Gratefulness and		dent relative
	ungratefulness	25	Other relatives
17	Diligence and sloth	251	Conduct towards
18	Courage, coward-		other relatives
	liness, firmness,	255	Conduct of other
	weakness		relatives
19	Other qualities	26	Guest, host
2	Family ethics	261	Host
21	Husband and wife,	265	Guest, host
	marriage, divorce	28	Domestic servants
211	Husband	281	Conduct towards
215	Wife		domestic servants
217	Marriage	285	Conduct of domestic
2175	Polygamy, adultery		servants
2178	Break up of mar-	3	Social ethics
	riage	32	Truth and slander
22	Parent and child	33	Philanthropy and
221	Parent		humanity
2211	Father	34	Etiquette
2213	Foster father	341	Etiquette of enter-
2214	Step-father		tainments
2217	Foster mother	342	Etiquette of wed-
2218	Step-mother		dning
225	Child	343	Card etiquette
2251	Son	344	Conversational
2253	Foster son		etiquette
2254	Step-son	345	Letter-writing eti-
2255	Daughter		quette
2257	Foster daughter	346	Travelling eti-
2258	Step-daughter		quette
23	Guardian and ward		



# PHILOSOPHY

347	Club etiquette	965	Perfection
348	Funeral etiquette	968	Compromise
37	Friendship, court- ship	98	Compromise in general
3W	State ethics (Sub- divisions as in 'W' Political Science)	<i>Divisions based on the train of Controlling or C Characteristic</i>	
4	Professional and business ethics	1	Egotism, altruism
<i>To be divided by Professions</i>		11	Egotism
6	Ethics of leisure and amusements	15	Altruism
<i>To be divided as 'MY'</i>		3	Conscience
7	Conduct towards animals	6	Teleology
9	Special topics	7	Value
91	Good and evil	<i>Other divisions to be got by the Subject Device</i>	
911	Good	R5	Aesthetics
915	Evil	R6	Indian philosophy (Philosophy of the mother country or the most favoured system)
918	Compromise	R61	Hindu philosophy
92	Truth and false- hood	R62	Nyaya, Vaisesika
921	Truth	R621	Vaiśeṣika
925	Falsehood	R625	Nyāya
928	Compromise	R63	Sankhya, Yoga
93	Right and wrong	R631	Sāṅkhya
931	Right	R635	Yoga
935	Wrong	R64	Purva mimamsa
938	Compromise	R641	Bhāṭṭa mīmāṃsā
94	Happiness and sorrow	R645	Prabhākara mī- māṃsā
941	Happiness	R65	Vedanta
945	Sorrow	R66	Advaita
948	Compromise	R663	Pratyabhijñā (Kāṣ- mīrian)
96	Progress, perfection	R6634	Vīraśaiva advaita
961	Progress	R67	Viśiṣṭadvaita
		R672	Vaiṣṇava

## PHILOSOPHY

R673	Śaivasiddhānta	R6943	Sautrāntika
R68	Dvaita	R6945	Mahāyāna
R689	Other vedāntic schools	R6946	Yogācāra
		R6947	Mādhyaṃika
R69	Other Indian schools	R7	The second favoured system
R691	Cārvāka		
R693	Jaina	R8	Other Systems
R694	Buddhistic		(To be divided by the Geographical Device)
R6941	Hīnayāna		
R6942	Vaiśiṣṭika		

*Class Numbers by the Classic Device (illustrative)*

### R6 INDIAN PHILOSOPHY

R6x1	Haribhadra <i>Śaḍdarśana-samuccaya</i>
R6x2	Mādhavācārya <i>Sarvadarśana-saṅgraha</i>
R6x3	Śaṅkarācārya <i>Sarva-siddhānta-saṅgraha</i>
R6x4	<i>Sarvamata-saṅgraha</i>
R6x5	<i>Prapañcahṛdaya</i>

### R621 VAISESIKA

R621x1	Kanada. <i>Vaisesika-sutra</i>
R621x11	Praśastapāda Ācārya <i>Padārtha-saṅgraha</i>
R621x111	<i>Padārtha-tattvanirṇaya</i>
R621x112	<i>Dravya-bhāṣya-ṭīkā</i>
R621x114	Śrīdhara <i>Nyāya-kandaḥ</i>
R621x115	Udayanācārya <i>Kiraṇāvali</i>
R621x1151	Vardhamānopādhyāya <i>Kiraṇāvali-prakāśa</i>
R621x11512	Raghunātha Siromaṇi <i>Kiraṇāvali-prakāśa-dīdhiti</i>
R621x1152	Padmanābhamiśra <i>Kiraṇāvali-bhāṣkara</i>
R621x1153	Bhaṭṭa Vāḍindra <i>Rasasāra</i>
R621x11I90	Śaṅkaramiśra <i>Praśastapādabhāṣya-ṭīkāsaṅgraha</i>
R621x11K30	Jagadīśa. Tarkalāṅkāra <i>Praśastapāda-bhāṣya-sūkti</i>
R621x12	Śaṅkaramiśra <i>Upaśkāra</i>
R621x1M50	Jayanārāyaṇa Tarkapañcānana <i>Vivṛti</i>
R621x2	Vallabhacārya. <i>Nyāyalilavati</i>
R621x21	Vardhamāna <i>Nyāyalilavati-prakāśa</i>
R621x211	<i>Nyāyalilavati prakāśa viveka</i>

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R621x22	Raghunātha Śiromaṇi <i>Nyāyalīlāvati-dīdhiti</i>
R621x24	Śaṅkara Miśra <i>Nyāyalīlāvati kanthābharana</i>
R621x8	Bhagīratha Ṭhakūra <i>Nyāyalīlāvati vivṛti</i>
R621xD95	Sivāditya <i>Saptapadārthi</i>
R621xD951	Jinavardhana Śuri <i>Commentary</i>
R621xD952	Mādhava Saraswati <i>Mitabhāṣiṇī</i>
R621xD953	Śeṣānanda <i>Padārthacandrikā</i>
R621xD954	Bhairavendra <i>Śiṣubodhinī</i>
R621xD955	Balabhadra <i>Sandarbhā</i>
R621xJ70	Sarvadeva Śūri <i>Pramāṇamañjarī</i>
R621xK30	Gaṅgādharasūri <i>Kānādasiddhānta-candrikā</i>
R621xL50	Veṇīdatta <i>Padārthamaṇḍana</i>

### R625 NYAYA

R625x1	Gautama. Nyaya-sutra
R625x11	Vātsyāyana <i>Nyāya-bhāṣya</i>
R625x111	Uddyotakara <i>Nyāya-vārttika</i>
R625x1111	Vācaspatimiśra <i>Nyāya-vārttika-tātparya-ṭīkā</i>
R625x11111	Udayanācārya <i>Nyāya-vārttika-tātparya-parīśuddhi</i>
R625x12	Jayanta Bhaṭṭa <i>Nyāya-mañjarī</i>
R625x13	Viśwanātha Pañcānana <i>Nyāya-sūtra-vṛtti</i>
R625x1M10	Rādhāmohan Bhaṭṭācārya <i>Nyāya-sūtra-vivarana</i>
R625x2	Bhasarvajna. Nyayasara
R625x21	Vāsudeva <i>Nyāyasāra-padapañcikā</i>
R625x22	Jayasimhasūri <i>Nyāya-tātparya-dīpikā</i>
R625x3	Udayana. Nyaya kusumanjali or Kusumanjali
R625x31	Varadarāja <i>Bodhinī</i>
R625x32	Vardhamāna <i>Nyāya-kusumāñjali-prakāśa</i>
R625x321	Rucidattamiśra <i>Nyāya-kusumāñjali-prakāśa</i> <i>makaranda</i>
R625x33	Haridāsa <i>Nyāyakusumāñjali kārīkā vyākhyā</i>
R625x4	Varadarāja. Tarkikaraksa
R625x41	Varadarāja <i>Sārasaṅgraha</i>
R625x42	Jñānapūrṇa <i>Laghudīpikā</i>
R625x43	Mallināthasūri <i>Niṣkaṇṭaka</i>
R625x5	Kesavamisra. Tarkabhasa
R625x51	Cennu Bhaṭṭa <i>Tarkabhāṣāprakāśikā</i>
R625x52	Govardhanamiśra <i>Tarkabhāṣā-prakāśa</i>

# PHILOSOPHY

- R625x53 Gaurikānta Sārvabhauma Bhaṭṭācārya *Bhāvārtha-dīpikā*
- R625x54 Bālacandra *Tarkabhāṣā-prakāśikā*
- R625x55 Mādhavadeva *Tarkabhāṣā-sāramañjarī*
- R625x56 Gopinātha *Tarkabhāṣā-bhāvaprakāśikā*
- R625x57 Kaundinyadikṣita *Tarkabhāṣā-prakāśikā*
- R625x58 Viśwakarma *Nyāyapradīpa*
- R625x6 Gangesa Upadhyaya. **Tattvacintamani**
- R625x61 Vardhamānopādhyāya *Prakāśa*
- R625x62 Jayadeva *Aloka*
- R625x63 Rucidattamiśra *Tattva-cintāmaṇi-prakāśa*
- R625x64 Vāsudevamiśra *Tattvacintāmaṇīṭikā*
- R625x65 Raghunātha Śiromaṇi Bhaṭṭācārya *Didhiti*
- R625x651 Mathurānātha *Commentary on Didhiti*
- R625x652 Bhavānanda Siddhānta Vāgīśa *Tattva-cintāmaṇi-didhiti-prakāśa*
- R625x653 Jagadīśa *Jāgadīśi*
- R625x654 Gadādhara Bhaṭṭācārya *Tattva-cintāmaṇi-didhiti vivṛti*
- R625x6541 Bhīmācārya Ottangadkar *Gādādhari-Pañcalakṣaṇī*
- R625x65J70 Kṛṣṇadāsa Sārvabhauma *Anumāna-dīdhiti-prasāriṇī*
- R625x66 Mathurānātha Tarkavāgīśa *Tattva-cintāmaṇi-rahasya*
- R625x6K36 Rājacūḍāmaṇi Makhin *Maṇidarpaṇa*
- R625x6K40 Gopinātha *Maṇisāra*
- R625x6M80 Sangameśvara Śāstri *Sangameśvara krodham*
- R625x7 Viswanatha Pancanana Bhattacarya. **Karika-vali or Bhasa-pariccheda**
- R625x71 Viśwanātha Pañcānana Bhaṭṭācārya *Muktāvalī*
- R625x711 Mahādeva and Dinakara *Prakāśa*
- R625x7111 Rāmarudra *Rāmarudrīya*
- R625x712 Rāmarudra *Prabhā*
- R625x713 Rāmarudra *Mañjūṣā*
- R625x714 Gangārāma *Gaṅgārāma Jhaṭīya*
- R625x8 Annambhatta. **Tarka-sangraha**
- R625x81 Annambhaṭṭa *Tarka-saṅgraha-dīpikā*

## PHILOSOPHY

R625x811	Nilakaṇṭha <i>Prakāśikā</i>
R625x8111	Lakṣmīnarasimha Śāstri <i>Bhāskarodaya</i>
R625xD87	Jayanta <i>Nyāyakalikā</i>
R625xH50	Nigamānta Mahādeśika <i>Nyāya-parisuddhi</i>
R625xI50	Vācaspatimiśra <i>Khaṇḍanoddhāra</i>
R625xJ40:1	Raghunātha <i>Padārtha-tattva-nirūpaṇa</i>
R625xJ40:11	Raghudeva <i>Nyāyālaṅkāra</i>
R625xJ40:2	Raghunātha <i>Padārthamālā</i>
R625xJ50	Jānakīnātha Bhaṭṭācārya <i>Nyāyasiddhāntamañ-jarī</i>
R625xJ502	Yādavācārya <i>Nyāya-mañjri-sāra</i>
R625xK50	Jayarāma Bhaṭṭācārya <i>Nyāyasiddhāntamālā</i>
R625xM10	Rādhāmohan Bhaṭṭācārya <i>Nyāyasūtra vivaraṇa</i>
R625xM30	Rākhaldās <i>Tattvasāra</i>
R625024013x1	Gokulanātha <i>Padavākya-ratnākara</i>
R625024013x2	Giridhara <i>Vibhaktiyartha-nirṇaya</i>
R625024013x3	Jagadīśa <i>Śabda-śakti-prakāśa</i>
R625024013x4	Gadādhara Bhaṭṭācārya <i>Vyutpattivāda</i>
R625024013x41	Kṛṣṇa Bhaṭṭa <i>Vyutpattivāda-vyākhyā</i>
R625024013x42	Bacca Śarmā <i>Vyutpattivāda-vyākhyā</i>
R625024013x43	Sudarśanācārya <i>Vyutpattivāda-vyākhyā</i>
K625024013x5	Gadādhara Bhaṭṭācārya <i>Saktivāda</i>

### R631 SANKHYA

R631x1	Tattva samasa
R631x2	Isvarakṛṣṇa. Sankhyakarika
R631x21	Māthara <i>Mātharavṛtti</i>
R631x22	Gauḍapāda <i>Sāṅkhya-kārikā-bhāṣya</i>
R631x23	Vācaspatimiśra <i>Sāṅkhya-tattva-kaumudī</i>
R631x238	Vaṁśīdharamiśra <i>Sāṅkhya-tattva-kaumudī-vibhākara</i>
R631x24	Śaṅkarārya <i>Jayamaṅgala</i>
R631x25	Nārāyaṇatīrtha <i>Candrikā</i>
R631x28	<i>Yuktidīpikā</i>
R631x3	Kapila. Sankhya-sutra
R631x31	Aniruddha <i>Sāṅkhya-sūtravṛtti</i>
R631x32	Vijñānabhikṣu <i>Sāṅkhya-pravacana-bhāṣya</i>
R631x33	Mahādeva <i>Sāṅkhya-sūtravṛtti</i>

## PHILOSOPHY

### R635 YOGA

- R635x1 Patanjali. *Yogasutra*  
R635x11 Vyāsa *Bhāṣya*  
R635x111 Vācaspatimiśra *Pātañjala-sūtrabhāṣya-vyākhyā* or  
*Tattva vaiśāradi*  
R635x12 Vijñānabhikṣu *Yoga-vārttika*  
R635x13 Rāghavānanda Sarasvatī *Pātañjala-bhāṣya*  
R635x14 Hariharānanda Āraṇya *Bhāṣvatī*  
R635x1L00 Nāgeśa Bhaṭṭa *Pātañjala-sūtra-vṛtti*  
R635x1L50 Sadāśivendra Sarasvatī *Yoga-sūtra-vṛtti* or  
*Yoga-sudhākara*  
R635x1M10 Rāmānandayati *Maṇiprabhā*  
R635x1M20 Nārāyaṇatīrtha *Yoga-siddhānta-candrikā*  
R635x1M21 *Sūtrārthabodhinī*  
R635x1M30 Ananta Paṇḍita *Pātañjala-darśana*  
R635x1M40 *Bhāva Gaṇeśīya*  
R635x2 Bhojadeva *Rājamārtāṇḍa*  
R635x3 Vijñānabhikṣu *Yoga-sāra-saṅgraha* or *Jñāna*  
*pradīpa*

### R64 PURVA MIMAMSA

- R64x1 Jaiminī *Mīmāṃsā-sūtra*  
R64x11 Śābara *Śābara-bhāṣya*  
R64x111 Maṇḍana *Mīmāṃsānukramanīkā*  
R64xL40 Satyagñānanda *Vedaprakāśā*

### R641 BHATTA MIMAMSA

- R641x1 Kumarila Bhatta. *Sloka-varttika*  
R641x11 Umbeka or Umveka and Jayamiśra *Sloka-vārttika-*  
*vyākhyā*  
R641x12 Sucaritamīśra *Kāśikā*  
R641x13 Pārthasārathimīśra *Nyāyaratnākara*  
R641x2 Kumarila Bhatta. *Tantra-varttika*  
R641x21 Bhaṭṭa Someśvara *Nyāya-sudhā* or *Raṇakam*  
R641x3 Kumarila Bhatta. *Tuṭtika*  
R641x31 Pārthasārathimīśra *Tantra-ratna*  
R641x4 Maṇḍanamīśra *Vidhi-viveka*

## PHILOSOPHY

- R641x41 Vācaspati *Nyāya-kaṇikā*  
 R641x5 Maṇḍanamiśra *Bhāvanā-viveka*  
 R641x51 Umbeka or Umveka *Bhāvanā-viveka-vyākhyā*  
 R641x6 Pārthasārathimiśra *Nyāya-ratnamālā*  
 R641x61 Rāmānujācārya *Nāyakaratna*  
 R641x7 Pārthasārathimiśra *Sūtra-dīpikā*  
 R641x71 Rāmakṛṣṇamiśra *Yuktisneha-prapūraṇi*  
 R641x711 Rāmakṛṣṇamiśra *Gūdhārtha-vivarana*  
 R641x72 Somanātha *Mayūkhāmālikā*  
 R641x8 Mādhavācārya *Jaiminīa-nyāyamālā* or *Mīmā-  
sādhikarāṇa-nyāyamālā*  
 R641x81 Mādhavācārya *Nyāyamālā-vistara*  
 R641x9 Khaṇḍadeva *Bhāṭṭadīpikā*  
 R641x91 Śambhu Bhaṭṭa *Prabhāvali*  
 R641x9L80 Vāncheśwara Yajvan *Bhāṭṭacintāmaṇi*  
 R641xJ50:1 Appayadīkṣita *Vidhirasāyana*  
 R641xJ50:2 Appayadīkṣita *Citrapāṭha*  
 R641xJ90 Nārāyaṇa Bhaṭṭa and Nārāyaṇa Paṇḍita *Māna-  
meyodaya*  
 R641xK20 Bhaṭṭa Śaṅkara *Mīmāṃsā-bāla-prakāśa*  
 R641xK30 Āpadeva *Mīmāṃsā-nyāya-prakāśa* or *Āpadevī*  
 R641xK301 Anantadeva *Bhāṭṭālaṅkāra*  
 R641xK302 Cinnaswāmī Śāstri *Mīmāṃsā-nyāya-prākāśa-vyā-  
khyā*  
 R641xK40 Gāgā Bhaṭṭa *Bhāṭṭa-cintāmaṇi*  
 R641xK501 Khaṇḍadeva *Mīmāṃsā-kaustubha*  
 R641xK502 Khaṇḍadeva *Bhāṭṭarahasya*  
 R641xK60 Laughākṣi Bhāskara *Artha-saṅgraha*  
 R641xK70 Rāmakṛṣṇa Bhaṭṭācārya *Adhikarāṇa-kaumudī*  
 R641xK90 Vaidyanātha Bhaṭṭa *Nyāya-bindu*  
 R641xK95 Bhāskara Bhaṭṭa *Bhāṭṭa candrikā* (a Comm. on  
Śaṅkarṣa kāṇḍa of *Mīmāṃsā sūtra*)  
 R641xL00 Kṛṣṇa Yajvan *Mīmāṃsā-paribhāṣā*  
 R641xL10 Nārāyaṇatīrtha *Bhāṭṭa-bhāṣā-prakāśa*  
 R641xL30 Vāsudevadīkṣita *Adhvāra-mīmāṃsā-kutūhala-vṛtti*  
 R641xM50 Rāmeśwarasūri *Commentary*  
 R641024x1 Vācaspatimiśra *Tattva-bindu*

# PHILOSOPHY

## R645 PRABHAKARA MIMAMSA OR GURUMATA

- R645x1 Prabhākara *Byhatī*  
 R645x11 Śalikanātha *Rjuvimala*  
 R645x5 Śalikanātha *Prakaraṇa-pañcikā*  
 R645x6 Bhavanātha *Naya-viveka*  
 R645xK50 Nandīśvara *Prabhākara-vijaya*  
 R645xL00 Rāmānujācārya *Tantra-rahasya*

## R65 VEDANTA

- R65xK08 Rāmadāsa *Dāsabodha*

## R66 ADVAITA

- R66x1 Sankaracarya. *Upadesasahasri*  
 R66x2 Mandanamisra. *Brahmasiddhi*  
 R66x21 Vācaspatimiśra *Brahmatattva-samīkṣā*  
 R66x22 Śaṅkhaṇḍī *Samīkṣā-phakkikā*  
 R66x23 Citsukha *Brahma-siddhi-vyākhyā*  
 R66x24 Ānandapūrṇa *Brahmasiddhi-vyākhyā*  
 R66x3 Suresvaracarya. *Naiskarmyasiddhi*  
 R66x31 Ānandānubhava *Naiskarmyasiddhi-vyākhyā*  
 R66x32 Jñānottamamiśra *Candrikā*  
 R66x33 Citsukhācārya *Comm. on Naiskarmyasiddhi*  
 R66x34 Jayakṛṣṇabrahmatīrtha *Comm. on Naiskarmyasiddhi*  
 R66x4 Vimuktaman. *Istasiddhi*  
 R66x41 Jñānottama *Vivarāṇa*  
 R66x42 Ānandānubhava *Commentary*  
 R66x5 Sarvajnatman. *Samksepa-sariraka*  
 R66x51 Rāmatīrtha *Anvayārthaprakāśikā*  
 R66x52 Puruṣottamamiśra or Puruṣottamadikṣita *Subodhini*  
 R66x53 Nṛsimhāśrama *Tattvabodhini*  
 R66x54 Rāghavānanda Sarasvatī *Vidyānanda-varṣinī*  
 R66x55 Madhusūdana Sarasvatī *Commentary*  
 R66x6 Ānandabodha. *Advaita-makaranda* or *Nyaya-makaranda*  
 R66x61 Citsukhācārya *Comm. on Advaita-makaranda*



## PHILOSOPHY

R66x7	Sriharsa. <i>Kandāna-khanda-khadya</i> or <i>Anirva-</i> <i>caniyata-sarvasva</i>
R66x71	Citsukhācārya <i>Commentary</i>
R66x72	Varadarāja <i>Commentary</i>
R66x73	Śaṅkaramiśra <i>Commentary</i>
R66x74	Ānandapūiṇa <i>Khaṇḍanaphakkikā-vibhajana</i> or <i>Vidyāsāgarī</i>
R66x75	Raghunātha <i>Commentary</i>
R66x8	Citsukhacarya. <i>Advaita-pradipa</i> or <i>Citsukhi</i>
R66x81	Pratyagrūpa Bhagavān <i>Nayanaprasādini</i>
R66x9	Madhusudana Sarasvati. <i>Advaita-siddhi</i>
R66x91	Brahmānanda Sarasvati <i>Laghucandrikā</i>
R66x911	Viṭṭhaleśopādhyāya <i>Comm. on Laghucandrikā</i>
R66x92	Brahmānanda Sarasvati <i>Gurucandrikā</i>
R66x93	Balabhadra <i>Advaita-siddhi-vyākhyā</i>
R66x94	Sadānanda Vyāsa <i>Advaita-siddhi-saṅgraha</i>

### *Other Classics by the Chronological Device (Illustrative)*

R66xD68:11	Śaṅkara <i>Vivekacūḍāmaṇi</i>
R66xD68:12	Śaṅkara <i>Aparokṣānubhūti</i>
R66xD68:13	Śaṅkara <i>Daśaśloki</i>
R66xD68:131	Madhusūdana Sarasvati <i>Siddhānta bindu</i>
R66xD68:14	Śaṅkara <i>Pañcīkaraṇa</i>
R66xD68:15	Śaṅkara <i>Dakṣiṇāmūrti stotra</i>
R66xD68:18	Śaṅkara <i>Vākysudhā</i>
R66xD70:1	Totakācārya <i>Śrutisāra samuddharana</i>
R66xD95	Prakāśātman <i>Sābdanirṇaya</i>
R66xD951	Ānandabodha <i>Comm. on Sābdanirṇaya</i>
R66xF50:1	Ānandabodha <i>Pramāṇamālā</i>
R66xF50:11	<i>Pramāṇamālāvvyākhyā</i>
R66xF50:2	Ānandabodha <i>Nyāya-dīpāvali</i>
R66xF50:21	Citsukhācārya <i>Comm. on Nyāya-dīpāvali</i>
R66xG70	Sukhaprakāsa <i>Commentary</i>
R66xG80	Ānandagiri <i>Tarkāsaṅgraha</i>
R66xH10	Bhāratitīrtha <i>Vaiyāsika-nyāyamālā</i>
R66xH101	Vidyāranya <i>Vaiyāsika-nyāyamālā-vistara</i>

# PHILOSOPHY

- R66xH50:1 Vidyāraṇya *Pañcadaśī*  
 R66xH50:2 Vidyāraṇya *Jīvanmuktiviveka*  
 R66xH50:3 Vidyāraṇya *Vivaraṇa-prameya-saṅgraha*  
 R66xI50 Lakṣmīdhara *Advaita makaranda*  
 R66xI501 Svayamprakāśānanda *Commentary*  
 R66xI90 Śaṅkara Miśra *Bhedaratnam*  
 R66xJ10 Raṅgarājādhvarin *Advaitamukura*  
 R66xJ25:1 Sadānanda *Vedāntasāra*  
 R66xJ25:11 Āpadeva *Bālabodhinī*  
 R66xJ25:13 Rāmatīrtha *Vidvanmanoraṇjanī*  
 R66xJ40:1 Narasimhāśrama *Advaita-dīpikā*  
 R66xJ40:2 Narasimhāśrama *Bhedadhikkāra*  
 R66xJ40:3 Narasimhāśrama *Nṛsimha vijñāpana*  
 R66xJ40:4 Narasimhāśrama *Vedānta tattva viveka*
- R66xJ50:1 Appayadīkṣita *Sārīraka-nyāya-rakṣamāṇi*  
 R66xJ50:2 Appayadīkṣita *Siddhānta-leśa-saṅgraha*  
 R66xJ50:21 Acyutakṛṣṇānanda *Siddhānta-leśa-saṅgraha-vyākhyā*
- R66xJ50:3 Appayadīkṣita *Vādanakṣatramālā or Nakṣatra-vādāvali*
- R66xJ80 Kāśmīraka Sadānanda *Yogi Advaita-brahmasiddhi*  
 R66xJ85 Dharmarāja Dīkṣita *Vedānta paribhāṣā*
- R66xK00:1 Madhusūdana Sarasvatī *Advaitaratnarakṣaṇa*  
 R66xK00:2 Madhusūdana Sarasvatī *Prasthānabheda*  
 R66xK00:3 Madhusūdana Sarasvatī *Vedānta Kalpalatikā*  
 R66xK00:4 Madhusūdana Sarasvatī *Īśvara pratipatti prakāśa*
- R66xK50 Raṅgojibhaṭṭa *Advaita-cintāmāṇi*  
 R66xK60:1 Anantadeva *Siddhānta tattva or Vedānta prakaraṇa*
- R66xK70 Kṛṣṇānanda Sarasvatī *Siddhānta-siddhāñjana*  
 R66xK701 Bhāskaraḍīkṣita *Ratnatulikā*
- R66xK85 Gaṅgādharendra Sarasvatī *Vedānta siddhāntasūkti māñjarī*
- R66xK90 Svārājya *siddhi*  
 R66xL20 Brahmānanda Sarasvatī *Advaita siddhānta vidyotana*

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- R66xL40 Tāṇḍavar *Kaivalyanavanītam*  
R66xL404 Govindar *Tātparya dīpikā*
- R66xL50:1 Śaḍāśivendra Sarasvati *Siddhāntakalpavallī*
- R66xM00 Ayyaṇṇādikṣita *Vyāsa-tātparya-nirṇaya*  
R66xM10 Narahari *Bodhasāra*  
R66xM40 Cidambarasvami *Advaitasāstirattiraṭṭu*
- Λ 66:5x1 Sankara. *Brahmasutra-bhasya*  
R66:5x11 Padmapāda *Pañcapādikā*  
R66:5x111 Prakāśātman *Pañcapādikā-vivaraṇa*  
R66:5x1111 Akhaṇḍānandamuni *Tattvādīpana*  
R66:5x1112 Citsukha *Vivaraṇa-tātparya-dīpikā*  
R66:5x1113 Nṛsiṃhāśramamuni *Bhāvaprakāśikā*  
R66:5x1115 Rāmānanda Sarasvati *Vivaraṇopanyāsa*  
R66:5x112 Amalānanda *Pañcapādikā-darpaṇa*  
R66:5x113 Ānandapūrṇayati *Pañcapādikā-ṭīkā*  
R66:5x12 Vacaspatimiśra *Bhāmāṭī*  
R66:5x121 Amalānanda *Kalpataru*  
R66:5x1211 Appayadikṣita *Parimala*  
R66:5x1212 Lakṣmīnṛsiṃha *Ābhoga*  
R66:5x13 *Prakāṭārtha-vivaraṇa*  
R66:5x14 Citsukha *Bhāṣya-bhūva-prakāśa*  
R66:5x15 Ānandagiri *Sārīrakabhāṣya-vyākhyā* or *Nyāya nirṇaya*
- R66:5x16 Rāmānanda Sarasvati or Govindānanda Sarasvati  
*Bhāṣya-ratna-prabhā*
- R66:5x161 Acyutakṛṣṇānanda *Ratnaprabhā-vyākhyā*  
R66:5x17 Kṛṣṇānandayati or Advaitānanda *Brahmavidyā-bharaṇa*
- R66:5x2 Vijñānabhikṣu *Vijñānāmṛta*  
R66:5x3 Rāmānanda Sarasvati *Brahmāmṛta-varṣinī*  
R66:5x4 Haridikṣita *Brahma-sūtra-vṛtti*  
R66:5x5 Brahmānandā Sarasvati *Vedāntasūtramuktāvalī*  
R66:5x6 Śaḍāśivendra Sarasvati *Brahma-sūtra-vṛtti*  
R66:5xJ50 Appayadikṣita *Nyāyarakṣamāṇi*  
R66:5xM50 Raghunātha Sūri *Saṅkarapādabhūṣana*

- R66:6x1 Śaṅkara *Gītābhāṣya*  
 R66:6x11 Anandagiri *Vivecana*  
 R66:6x12 Dhanapati *Bhāṣyotkarṣa-dīpikā*  
 R66:6x2 Madhusūdana Sarasvati *Gūḍhārtha dīpikā*  
 R66:6x6 Vedantadeśika *Brahmānandagiri*  
 R66:6x7 Hanumān *Paiśāca bhāṣya*  
 R66:6xG90 Jñāneśvara *Jñāneśvari*  
 R66:6xI20 Bhaṭṭar *Bhagavadgītai*  
 R66:6xI201 Bhaṭṭar *Gūḍārtha dīpikai*  
 R66:6xI208 Vaḍivelu Chettiār *Gītai vacanam*  
 R66:8x1 Śaṅkara *Viṣṇusahasranāma bhāṣya (alternative)*  
 R66:8x2 Śaṅkara *Sanatsūjātīya bhāṣya*

## R663 Pratyabhijna (Kasmirian)

- R663x1 Somananda. *Sivadrsti*  
 R663x11 Somānanda *Vṛtti*  
 R663x13 Abhinavagupta *Sulocana*  
 R663x2 Utpala. *Pratyabhijna sutra*  
 R663x21 Utpala *Vṛtti*  
 R663x211 Utpala *Tikā (Vivṛti)*  
 R663x22 Abhinavagupta *Pratyabhijñā vimarśinī (Laghu vṛtti)*  
 R663x23 Abhinavagupta *Pratyabhijñā vivṛti vimarśinī (Bṛhadvṛtti)*  
 R663x24 Bhāskara *Sivasūtra vārttika*  
 R663x25 Kṣemarāja *Pratyabhijñā hrdaya*  
 R663x3:1 Abhinavagupta. *Tantraloka*  
 R663x3:11 Jayaratha *Commentary*  
 R663x3:2 Abhinavagupta *Tantrasāra*  
 R663x3:3 Abhinavagupta *Paramārthasāra*  
 R663x3:31 Yogarāja *Commentary*

## R6634 Virasaiva advaita

- R6634:5x1 Śrīpatipaṇḍitācārya *Śrīkara bhāṣya*

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### R672 VISISTADVAITA (VAISNAVA)

- R672x1 Yāmuna *Siddhitraya*  
R672x2 Rāmānuja *Vedāntasāra*  
R672x3 Nāthamuni *Nyāyatattva*  
R672x4 Parāśara Bhaṭṭa *Tattvaratnākara*  
R672x5 Rāmamiśra *Vivaraṇa*

#### *Other Classics by the Chronological Device (Illustrative)*

- R672xE20:1 Rāmānuja *Vedantadīpa*  
R672xE20:2 Rāmānuja *Vedārthāsāṅgraha*  
R672xE20:21 Sudarśana *Tātparya-dīpikā*  
R672xE20:211 Rāma Miśra *Snehapūrti*  
R672xG68:1 Vedāntadeśika or Venkaṭanātha *Adhikaraṇa sārāvali*  
R672xG68:11 Varadanātha or Kumāravaradācārya *Adhikaraṇacintāmaṇi*  
R672xG68:2 Vedāntadeśika *Tattvamuktākālāpa*  
R672xG68:21 *Tattvamuktākālāpa-vyākhyā*  
R672xG68:3 Vedāntadeśika *Nyāyaparīśuddhi*  
R672xG68:31 Śaṭhakopayati *Commentary*  
R672xG68:32 Śrīnivāsadāsa *Nyāyasāra*  
R672xG68:4 Vedāntadeśika *Nyāyasiddhāñjana*  
R672xG68:41 Raṅgarāmānuja *Nyāyasiddhāñjana vyākhyā*  
R672xG68:5 Vedāntadeśika *Vāditrayakhaṇḍana*  
R672xG68:6 Vedāntadeśika *Satadūṣaṇi*  
R672xG68:61 Rāmānujadāsa or Mahācārya *Caṇḍamāruta*  
R672xG68:62 Nṛsimharāja *Satadūṣaṇi-vyākhyā*  
R672xG68:63 Śrīnivāsa *Sahasrakiraṇi*  
R672xG80:1 Pillai Lokācārya *Tattvatrayam*  
R672xG80:2 Pillai Lokācārya *Tattvaśekhara*  
R672xG90:1 Jñāneśvara *Amṛtānubhava*  
R672xK20:1 Venkaṭācārya *Siddhāntaratnāvali*  
R672xK50 Śaṭhamarṣa Śrīnivāsātātācārya *Ananda-tāratamya khaṇḍanam*  
R672xK80:1 Śrīnivāsa *Arunādhikaraṇa-sarāṇa-vivaraṇi*  
R672xK80:2 Śrīnivāsa *Onkāravādārtha*  
R672xK80:3 Śrīnivāsa *Jigñāsādarpaṇa*

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- R672xK80:4 Śrīnivāsa *Jñānaratna-prakāśikā*  
 R672xK80:5 Śrīnivāsa *Natvadarpaṇa*  
 R672xK80:6 Śrīnivāsa *Tattvamārtāṇḍa*  
 R672xK80:7 Śrīnivāsa *Pranavadarpaṇa*  
 R672xK80:81 Śrīnivāsa *Virodhanirodha*  
 R672xK80:82 Śrīnivāsa *Yatīndramata-dīpikā*  
 R672xK90:1 Mahācārya or Rāmānujadāsa *Pārāśaryavijayā*  
 R672xK90:2 Mahācārya *Vedāntavijaya*  
 R672xK90:3 Mahācārya *Advaitavidyāvijaya*  
 R672xK90:4 Mahācārya *Sadvidyāvijaya*  
 R672xK95 Bucci Venkaṭācārya *Vedāntakārikāvali*  
 R672xL20 Paravastu Vedāntācārya *Vedāntakaustubha*  
 R672xL25 Nṛsimhadeva *Anandavallarī*  
 R672xL40 Raṅgarāmānuja *Parapakṣanirākṛta*  
 R672xL50 Śaṭhakopamuni *Brahmalakṣaṇa vākyaṛtha*  
 R672xM20:1 Anantācārya *Śārīravāda*  
 R672xM20:2 Anantācārya *Samvidekatvānumāna-nirāsa-vādārtha*  
 R672xM20:3 Anantācārya *Samāsavāda*  
 R672xM20:4 Anantācārya *Brahmapadaśaktivāda*  
 R672xM56 Anandāzhvār *Vedānta vādāvali*  
 R672:5x2 Ramanuja *Sribhasya*  
 R672:5x21 Sudarśana *Śrībhāṣya-vyākhyā, Śrutaprakāśa*  
 R672:5x211 Varadaviṣṇu *Śrutaprakāśa-vyākhyā, Bhāva-prakāśikā*  
 R672:5x212 Lakṣmaṇa *Gurubhāvaprakāśa*  
 R672:5x22 Sudarśana *Śrutapradīpikā*  
 R672:5x23 Vedāntadeśika *Tattvaṭīkā*  
 R672:5x24 Sundararāja *Commentary*  
 R672:5x25 Nyāyaprakāśikā  
 R672:5x26 Raṅgarāmānuja *Mūlabhāvaprakāśikā*  
 R672:5x3 Raṅgarāmānuja *Śārīraka śāstrārtha dīpikā*  
 R672:5xJ50 Appayya Dikṣita *Nayamayūkha mālikā*  
 R672:6x1 Yāmuna *Gītārthasaṅgraha*  
 R672:6x11 Vedāntadeśika *Gītārthasaṅgraha-rakṣā*

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- R672 :6x2 Rāmānuja *Bhagavadgītā bhāṣya* :  
 R672 :6x21 Vedāntadeśika *Tātparyacandrikā* :

### R673 SAIVA SIDDHANTAM

- R673x1 Uyyavandadevar I *Tiruvundiyaṛ*  
 R673x11 Uyyavandadevar II *Tirukkalirruppādiyaṛ*  
 R673x2 Meykandadevar. *Sivajnana bodham*  
 R673x21 Aruṇandi Śivācārya *Sivajñāna siddhi*  
 R673x26 Umāpati Śivācārya *Sivaprakāśa*  
 R673x27 :1 Śivajnāna Yogi *Drāviḍa Mahā bhāṣya*  
 R673x27 :2 Śivajnāna Yogi *Laghu ṭikā*  
 R673x3 Aruṇandi Śivācārya *Irupā irupadu*  
 R673x4 Manavācakam Kaḍandān *Unmai vilakkam*  
 R673x5 Marai Jñānasambandar *Sivasamaya neri*  
 R673x6 :1 Umāpati Śivācārya *Tiruvārūṭṭayan*  
 R673x6 :2 Umāpati Śivācārya *Vinā venbā*  
 R673x6 :3 Umāpati Śivācārya *Porṭipahroḍai*  
 R673x6 :4 Umāpati Śivācārya *Kodikkevai*  
 R673x6 :5 Umāpati Śivācārya *Nenjuviḍu tūdu*  
 R673x6 :6 Umāpati Śivācārya *Unmai neri vilakkam*  
 R673x6 :7 Umāpati Śivācārya *Sankalpa nirākaraṇam*  
 R673x7 Kaṇṇuḍaya Vallal *Ozhivil oḍukkam*  
 R673x8 Sambudeva *Saiva siddhānta dīpikā*  
 R673x91 Śivajnāna Yogi *Tattvaprakāśa*  
 R673x911 Śivajnāna Yogi *Tattvakkṛtālai*  
 R673 :5x1 Srikantha Śivācārya. *Brahmasutrabhasya*  
 R673 :5x11 Appayadīkṣita *Sivārkaṇḍīpikā*  
 R673 :5x12 Nīlakaṇṭha *Kriyāsāra*

### R68 DVAITA

- R68x1 Ānandatīrtha or Madhvācārya *Tattvasaṅkhyāna*  
 R68x11 Jayatīrtha *Tattvasaṅkhyāna-vivaraṇa*  
 R68x2 Ānandatīrtha *Anubhāṣya*  
 R68x3 Jayatīrtha *Vādāvali*  
 R68x F99 Ānandatīrtha *Sarvamūla*  
 R68x I20 Calari Seṣācārya *Pramāṇa candrikā*

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- R68xI67 :1 Vyāsātīrtha *Nyāyāmṛta*  
 R68xI67 :11 Śrīnivāsa *Nyāyāmṛta prakāśa*  
 R68xI67 :12 Rāmācārya *Nyāyāmṛta tarangini*  
 R68xI67 :2 Vyāsātīrtha *Bhedojjivana*  
 R68xI67 :21 Śrīnivāsa *Śarkara*  
 R68xI67 :3 Vyāsātīrtha *Tarkatāṇḍava*  
 R68xJ20 Vanamālī Miśra *Mādhvamukhālāṅkāra*  
 R68xK30 Viśvanātha Pancānana Bhaṭṭācārya *Bhedasiddhi*  
 R68xL50 Venīdattācārya *Bheda jayaśrī*
- R68 :5x1 Anandatīrtha. Brahmasutrabhasya**  
 R68 :5x11 Jayatīrtha *Tattvaparakāśikā*  
 R68 :5x111 Vyāsātīrtha *Tātparya-candrikā*  
 R68 :5x1111 Rāghavendrātīrtha *Tātparyacandrikā-prakāśa*  
 R68 :5x112 Rāghavendrātīrtha *Tattvaparakāśikābhāva*
- R68 :5x2 Anandatīrtha. Brahmasutranuvyakhya**  
 R68 :5x21 Jayatīrtha *Nyāyasudhā*  
 R68 :5x211 Rāghavendrātīrtha *Nyāyasudhā parimala*  
 R68 :5x212 Keśava *Seṣavākyaṛtha candrikā*  
 R68 :5x214 Yadupadācārya *Yādupadīya*  
 R68 :5x218 Śrīnivāsa *Nyāyasudhā tippaṇi*
- R68 :6x1 Ānandatīrtha *Bhagavadgītā bhāṣya*  
 R68 :6x3 Rāghavendra *Vivṛti*
- R68 :7x1 Ānandatīrtha *Bhāgavata-tātparya nirṇaya*  
 R68 :7xK20 Vāmana *Śrutikalpalatā*  
 R68 :8x1 Ānandatīrtha *Mahābhārata tātparya-nirṇaya*

### R6891 BHEDABHEDA

- R6891 :5x1 Bhāskarācārya *Brahmasūtrabhāṣya*  
 R6891 :5x2 Baladeva *Vedānta sūtra bhāṣya or Govinda-bhāṣya*

### R6892 DVAITADVAITA

- R6892x1 Nimbārka *Daśaśloki* or *Vedāntasiddhāntasāra*  
 R6892x11 Bhagavatpuruṣottamācārya *Vedāntaratnamāñjūṣā*  
 R6892x2 Anantārāma *Vedānta tattva bodha*
- R6892 :5x1 Nimbarka. Vedanta-parijata saurabha**  
 R6892 :5x11 Śrīnivāsācārya *Vedānta kaustubha*



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- R6892:5x2 Devācārya *Siddhānta jāhnāvī*  
 R6892:5x21 Sundara Bhaṭṭa *Dvaitādvaitasiddhāntasetukā*  
 R6892:6x3 Keśavakāśmīrin *Tattvaprakāśikā*

### R6893 SUDDHADVAITA

- R6893x1 Vallabhācārya *Tattvārthadīpikā*  
 R6893x111 *Vidyāvaijayanti*  
 R6893:5x1 Vallabhacarya. Anubhasya  
 R6893:5x11 Gosvāmi Śrī-Puruṣottamjee *Bhāṣya-prakāśā*  
 R6893:5x12 *Bālabodhinī*  
 R6893:5x14 Gosvāmi Śrī-Puruṣottamjee *Vedāntādhikārāṇā*  
*mālā*  
 R6893:5x18 Vrajanātha Bhaṭṭa *Marīcikā*  
 R6893:7x1 Vallabhācārya *Bhāgāvātā-ṭikā, Subodhinī*

### R693 JAIN PHILOSOPHY

#### *Classics*

- R693x1 Umasvati. *Tattvarthadhigama sutra*  
 R693x11 Siddhasena Gaṇi *Tattvārtha ṭikā*  
 R693x12 Sāmantabhadra *Gandhahastimahābhāṣya*  
 R693x13 Pūjyapāda *Sarvārthasiddhi*  
 R693x14 Akalaṅka *Tattvārthaṭikāvūyākhyālaṅkāra*  
 R693x15 *Rājavārttika*  
 R693x16 Vidyānanda *Slokavārttika*  
 R693x17 Śrivaraddhadeva *Cūḍāmaṇi*  
 R693x2:1 Kundakunda *Ṣaḍprābhṛta*  
 R693x2:11 Śrutasāgara *Commentary*  
 R693x2:2 Kundakunda *Samayasāraprābhṛta*  
 R693x2:21 Amṛtacandra *Commentary*  
 R693x2:3 Kundakunda *Aṣṭaprabhṛta*  
 R693x2:4 Kundakunda *Pancāstikāya (Pancatthiyasāra)*  
 R693x2:41 Amṛtacandra *Commentary*  
 R693x2:5 Kundakunda *Prābhṛtasāra*  
 R693x2:6 Kundakunda *Pravacanasāra*  
 R693x2:61 Amṛtacandra *Commentary*  
 R693x2:7 Kundakunda *Niyamasāra*  
 R693x2:81 Kundakunda *Pavolinī*  
 R693x2:82 Kundakunda *Rayanasāra*

## PHILOSOPHY

- R693x7      Malliṣeṇa *Syādvādamanjarī*  
 R693xD90:1   Amṛtacandra *Tattvārthasāra*  
 R693xD90:2   Amṛtacandra *Puruṣārthasiddhyupāya*  
 R693xD90:1   Nemicaṇḍra *Dravyasaṅgraha*  
 R693xD98:2   Nemicaṇḍra *Trilokasāra*  
 R693xD98:3   Nemicaṇḍra *Gommatasāra*  
 R693xD98:4   Nemicaṇḍra *Labdhisāra*

### R694 BUDDHISTIC PHILOSOPHY

#### General.

- R694kx1      Kenjiu kasawara: *Dharmasaṅgraha*  
 R694x8      Advayaavajra: *Advayaavajrasaṅgraha*

### R6941 HINAYANA

- R6941x3:1      Vasubandhu: *Abhidharmakośa*  
 R6941x3:11    Yaśomitra: *Sphuṭārtha Abhidharmakośavyākhyā*  
 R6941x3:2      Vasubandhu: *Gāthā-saṅgraha*  
 R6941x3:3      Vasubandhu: *Paramārtha-saptati*  
 R6941x4:1      Anuruddha: *Abhidhammatthasaṅgaha*  
 R6941x4:2      Anuruddha: *Nāmarūpapariccheda*

### R6945 MAHAYANA

- R6945x1      Prajñāptimata  
 R6945x2      Buddhāvataṁśaka including *Gaṇḍavyūha*  
 R6945x3      Daśabhūmika  
 R6945x4      Ratnakūṭa  
 R6945x4:63    Kāśyapa-parivartta  
 R6945x5      Samādhirāja or *Candraśīlapāṭha*  
 R6945x6      Suvarṇaprabhāsa  
 R6945x7      Aśvaghoṣa *Śrāddhotpādaśāstra* (*Awakening of faith*)

### R6946 YOGACARA

- R6946x1:1      Maitreya-nātha: *Abhisamayālaṅkāra-Kārikā* or *Prajñā-pāramitopadeśa-śāstra*  
 R6946x1:2      Maitreya-nātha: *Yogācāra Bhūmi-śāstra* or *Sapta daśa-Bhūmi-śāstra* including *Bodhisattva-bhūmi*  
 R6946x1:3      Maitreya-nātha: *Mahāyāna-sūtrālaṅkāra*  
 R6946x2:1      Asaṅga: *Mahāyāna-saṃparigraha*

## PHILOSOPHY

R6946x2:2	Asanga : <i>Prakarāṇa-āryavācā</i>
R6946x2:3	Asanga : <i>Mahāyānābhīdharmasamgīti-śāstra</i>
R6946x3:1	Vasubandhu : <i>Vimśatīkā</i>
R6946x3:2	Vasubandhu : <i>Trimśatīkā</i>
R6946x4:1	Sāntarakṣita : <i>Tattva saṅgraha</i>
R6946x4:11	Kamalaśīla : <i>Pañcīkā</i>
R6946x5	<i>Lankāvatāra Sūtra</i>

### R6947 MADHYAMIKAS

R6947x1:1	Nāgārjuna : <i>Mādhyamika sūtras</i>
R6947x1:11	Nāgārjuna : <i>Akutobhaya</i>
R6947x1:12	Buddhapālita : <i>Mūlamādhyamikavṛtti</i>
R6947x1:13	Bhāvaviveka : <i>Prajñāpradīpa</i>
R6947x1:17	Candrakīrti : <i>Prasannapadā</i>
R6947x1:2	Nāgārjuna : <i>Yuktiṣaṣṭīkā</i>
R6947x1:3	Nāgārjuna : <i>Sūnyatāsaptati</i>
R6947x1:4	Nāgārjuna : <i>Pratītya-samutpādahṛdaya</i>
R6947x1:5	Nāgārjuna : <i>Mahāyanavimśaka</i>
R6947x1:6	<i>Prajñāpāramita-Sūtra-śāstra</i>
R6947x1:7	<i>Daśabhūmi-Vibhāṣāśāstra</i>
R6947x1:8	<i>Ekaśloka Sūtra</i>
R6947x2:1	Āryadeva : <i>Catuhśataka</i>
R6947x2:17	Candrakīrti <i>Commentary</i>
R6947x2:2	Āryadeva : <i>Cittaviśuddhi-Prakarāṇa</i>
R6947x2:4	Āryadeva : <i>Hastavala-prakarāṇa</i> or <i>Muṣṭi-prakarāṇa</i>
R6947x2:5	Āryadeva : <i>Akṣaraśataka</i>
R6647x3	<i>Sthiramayī</i>
R6947x4:1	Diñnāga : <i>Nyāyapreśa</i>
R6947x4:2	Diñnāga : <i>Pramāṇasamkhyā</i>
R6947x5	<i>Dharmapāla</i>
R6947x6:1	Dharmakīrti : <i>Nyāyabindu</i>
R6947x6:11	Dharmottara : <i>Nyāyabindutīkā</i>
R6947x6:2	Dharmakīrti : <i>Santānāntarasiddhi</i>
R6947x6:3	Dharmakīrti : <i>Vādanyāya</i>
R6947x7:1	Candrakīrti : <i>Mādhyamāvatāra</i>

## S PSYCHOLOGY

S [E]: [P]

S-[E]: [P]

<i>Divisions based on the train of</i>		7	Race
Entity or E			<i>To be divided by the</i>
Characteristic			Geographical Device
1	Child	76	Negro
11	New born	8	Social
12	Toddler		<i>To be subdivided as the</i>
13	Infant		<i>group divisions of Y1 Sociology</i>
15	Pre-adolescent	9	Animals (genetic)
2	Adolescent		<i>Divisions based on the train of</i>
21	Boys		Problem or P
25	Girls		Characteristic
3	Post-adolescent	1	Nervous System
35	Middle age		<i>(To be divided as the</i>
38	Old age		<i>Organ Number 7 of</i>
4	Vocational		<i>schedule L)</i>
5	Sex	2	Sensation
51	Male	21	Static senses, equili-
55	Female		brium, position,
58	Eunuch		<i>etc.</i>
6	Abnormal	22	Taste
61	Genius	23	Hearing
62	Idiot	24	Smell
63	Insane	25	Sight
64	Sick and infirm	27	Touch
65	Criminal	28	Cutaneous senses,
67	Deaf and dumb		pressure and joint
68	Blind	29	senses
6916	Left handed	291	Other senses
			Other organic senses

# PSYCHOLOGY

3	Characters of consciousness	523	Joy
		524	Anger
31	Attention	526	Fear
311	Apperception	53	Affection, hatred
315	Selection	55	Love
318	Abstraction	56	Anxiety
32	Association	57	Sentiments, interest
34	Work, fatigue		
35	Habit, accommodation, adaptation, complacency	6	Conation and movement
		61	Dynamogenesis, inhibition
38	Time relations of consciousness, mental chronometry	62	Instinct, impulse (imitation and play)
		63	Reflexation
4	Cognition, conception	64	Conscience
		65	Volition and effort
41	Conception of idea	68	Special motor functions
42	Conception of time, space and motion	682	Speech and song
43	Memory, imagination, remembering, forgetting	6821	Soliloquy
		6822	Dialogue
		6823	Debate
44	Reasoning, thinking, judgment, belief	6825	Public speech
		6828	Song
45	Reflection, self-consciousness	683	Walking
		685	Seeing
46	Normal illusions, normal suggestions	686	Handwriting and drawing
47	Opinion	7	Personality, ego, character
5	Feeling, emotion, affection	71	Vitality
		72	Intelligence
51	Pleasantness, unpleasantness	73	Ability
		7395	Transfer of ability
52	Emotions	74	Character
521	Laughter	743	Fairmindedness

# PSYCHOLOGY

75	Temperament		Applicable to Problem
76	Intuition		Divisions '2' and '3'
77	Opinion	2	Anatomy
78	Psychic powers	3	Physiology
791	Longevity	31	Reflex functions
793	Endurance	35	Automatic functions
794	Immunity	4	Pathology
795	Acclimatization	5	Psycho-physics
796	Drug habit	6	Psychometry
8	Metapsychology	8	Measurement of sensation
81	Sleep		
811	Dreams		
813	Hallucinations		Schools of Psychology
815	Unconscious, sub-conscious		by Chronological Device
			(Illustrative)
851	Hypnotism, mesmerism	SM62	Experimental
		SM95	Psycho-analytic
852	Suggestion	SN12	Gestalt
86	Psycho-therapy (alternative)	SN13	Behaviouristic
		SN14	Individualistic
9	Applications	SN17	Reflexology
	<i>Divisions based on the train of</i>	SN25	Eidetic and typological
	<i>Point of View or V</i>		
	<i>Characteristic</i>	SN36	'We'

# T EDUCATION

T [E]: [P]

*Divisions based on the train  
of Educand or E  
Characteristic*

1 Pre-secondary  
13 Pre-school child  
15 Elementary  
2 Secondary  
25 Intermediate

3 Adult  
31 Literate  
35 Foreigner  
38 Illiterate

4 University  
42 Pass  
43 Honours  
45 Post-graduate  
48 Research

5 Sex  
51 Male  
55 Female  
6 Abnormal  
61 Genius  
62 Idiot  
63 Insane  
65 Criminal  
67 Deaf and dumb  
673 Stammerers  
68 Blind

7 Backward classes  
9 Other classes

*To be divided by the Subject  
Device  
(illustrative)*

9Y131 Rural community  
9Y152 Aristocracy  
9Y154 Military classes

*Divisions based on the train  
of Problem or P  
Characteristic*

1 Nomenclature etc.  
2 Schools of Education

*Divisions by the  
Chronological Device  
(illustrative)*

2J92 Commenius, object  
teaching  
2L12 Rousseau's school  
2L24 Kant's school  
2L50 Pestalozzi's school  
2L62 Fichte's school  
2L76 Herbart's school  
2L82 Froebel's kindergarten  
2L96 Mann's school  
2M58 Manual training  
2N00 Platoon school  
2N12 Montessori school

# EDUCATION

2N15	Project method	44	Curriculum
2N20	Dalton plan	441	Text books
3	<b>Teaching technique</b>	445	Extra-curricular activities
	<i>(To be divided by the Subject Device with the following modification</i>	4451	Books
		4452	Library books
In the case of	Linguistics	45	State, community and education
	omit the stage number and instead of the language numbers put the following:	451	Board of Education
		4515	Compulsory education
1	Mother Tongue	452	Community and education
5	Foreign language	4528	Parent associations
8	Classical language)	455	Employment and vocational guidance
4	<b>Organisation</b>	457	Inspection
41	Admission, fees, scholarship, term	46	Finance
411	Admission	<i>To be subdivided as</i>	
412	Fees, scholarship	<i>7 Public Finance of</i>	
4125	Research fellowship	<i>X Economics</i>	
413	Term, holidays, attendance	467	Grants
414	Classes, Grades	47	Educational measurements
415	Time-table	471	Intelligence tests
417	Residence	<i>Subdivisions by the Chronological Device (illustrative)</i>	
42	Library	471N05	Binet-Simon
43	Personnel, class room management	471N19	Terman
431	Administrative (Head m a s t e r, principal, dean)	471N23	Block-design tests
432	Assistants	471N24	Form board and performance tests
435	Class room management	471N26	Drawing tests
4356	Rewards, punishments	471N30	Brain tests
438	Supervising staff	471N31	Merrill-Palmer tests
		472	Achievement tests



## EDUCATION

475	Examination, marking	7	Students' social life and organisation
4751	Examination papers	71	International students' organisation
477	Interview, <i>viva voce</i>		
478	Diplomas, leaving certificates	76	Leisure
48	Management	8	Special topics
484	Consolidation	81	Medium of instruction
5	School hygiene and physical education	83	Study methods
51	Hygiene of the child	84	Co-operation and competition
54	Medical inspection	85	Visual instruction
55	Gamer, physical training	86	Radio and education
		88	Correspondence courses
6	School building, furniture	893	Debates

## U GEOGRAPHY

U [P]: [G]: [C]

<i>Divisions based on the train of Problem or P</i>		2	Physical geography
<i>Characteristic</i>		21	Geomorphology
1	Mathematical geography	25	Oceanography
		251	Extension
11	Cartography	252	Surface
111	Scale	253	Deep sea soundings and relief of the ocean floor
112	Delineation of the ground	254	Oceanic deposits
114	Measurement of distance	255	Properties of the sea water
115	Map printing	2552	Physical
117	Maps with a special purpose	2553	Chemical
		256	Oceanic circulation
12	Map projection	2562	Currents
13	Relief map		
14	Globe	28	Meteorology
16	Movement of earth.	281	Weather
	Seasons	282	Atmospheric pressure
161	Spring		
162	Summer	283	Wind
163	Autumn	2831	Velocity
164	Winter	2835	Storm
18	Topographical survey	284	Temperature
		285	Humidity
181	Land survey	2853	Clouds
182	Latitude and longitude	2855	Rainfall
		2856	Dry condition
1823	Longitude	286	Other physical and chemical phenomena
1824	Latitude		
185	Hydrographical survey	2862	Physical

# GEOGRAPHY

28627	Magnetic	45	Population
2863	Chemical	47	Reaction of man and environment
287	Climate		(Human geography)
288	Cosmic meteorology		
2891	Weather forecasting		
29	Other regions	5	Political geography
294	Stratosphere	54	Military geography
296	Ionosphere	6	Economic geography
3	Biogeography		
33	Paleogeography	641	Trade routes
35	Floral	6415	Railways
36	Faunal	6425	Oceanic routes
37	Reaction of organism and environment	6435	Air routes
		67	Resources (alternative to place in X Economics)
4	Anthropogeography		
41	Race-distribution	671	Natural
42	Migration	672	Industrial
421	Inland		
425	Emigration	8	Travels. expeditions, voyages
426	Immigration		

## V HISTORY

V [G]: [P]:[C]

<i>Divisions based on the train of</i>		2511	Liberty of person
<i>Problem or P</i>		<i>To be subdivided as the Law</i>	
<i>Characteristic</i>		<i>Number '11' of 'Z Law')</i>	
1	Political and general	2512	Liberty of family
		<i>(To be subdivided as the Law</i>	
		<i>Number '12' of 'Z Law')</i>	
12	Home policy	252	Right of property
17	Colonial policy	253	Freedom of contract
18	Mandatory policy	254	Freedom of public
19	Foreign policy		meeting
2	Constitutional	255	Franchise
21	Crown, president	256	Sanctity of private
211	Consort		correspondence
212	Heir	257	Freedom of expres-
213	Other children		sion of opinion
22	Executive	258	Other rights
221	Prime minister	<i>(To be divided by the</i>	
		<i>Subject Device)</i>	
23	Legislature	<i>(Illustrative)</i>	
231	First house	258Q	Freedom of belief
232	Second house		and conscience
235	Members	258T	Education
236	Parliamentary com-	258U42	Liberty of migra-
	mittees		tion and move-
237	President		ment
238	Administrative staff	258W28	Equal eligibility
2392	Referendum		for office
24	Political parties	258X	Freedom of trade
25	Political rights and		and industry
	duties	258Y5	Work

# HISTORY

258Y8	Freedom of association	67	Literature
		68	Language
258Z	Equality before law	7	Archaeology, epigraphy, etc.
259	Duties		Archæology
2591	Loyalty, allegiance	71	Epigraphy, inscriptions, etc.
2594	Military service	72	Numismatics, seals, etc.
2598	Other duties		
	<i>(To be divided by the Subject Device)</i>	73	
26	Local bodies	74	Genealogy
	<i>(To be subdivided as 2 substituting Standing Committees in the place of Local bodies)</i>	75	Heraldry
		76	Chronology
		8	Archives
27	Judiciary	817	Colonial correspondence
28	Administration	819	Diplomatic correspondence
3	Economic		Minutes of the executive
4	Military, naval and aerial	822	Proceedings of the legislature
41	Military	823	Administrative records
45	Naval		
48	Aerial	828	
5	Cultural		
6	Tradition, language and literature as sources		<i>(To be divided by the Subject Device)</i>
		84	Military, etc., records
66	Tradition		

## W POLITICAL SCIENCE

W [T]: [P]

<p><i>Divisions based on the train of</i></p> <p style="padding-left: 20px;"><b>Type of state or T</b></p> <p style="padding-left: 40px;"><i>Characteristic</i></p> <p>1 Anarchy</p> <p>2 Primitive forms. tribal institutions</p> <p>3 Feudal institutions</p> <p>4 Monarchy</p> <p>41 Absolute monarchy</p> <p>46 Limited monarchy</p> <p>5 Oligarchy</p> <p>6 Democracy</p> <p>61 Representative</p> <p>62 Direct</p> <p>64 Dictatorship</p> <p>691 Communism</p> <p>7 Utopia</p> <p>8 Change of form of state</p> <p>81 Revolution</p> <p>87 Passive resistance and non-violence</p> <p><i>Divisions based on the train of</i></p> <p style="padding-left: 20px;"><b>Problem or P</b></p> <p style="padding-left: 40px;"><i>Characteristic</i></p> <p>1 Election method</p> <p>11 Nomination</p> <p>12 Polling</p> <p>13 Counting</p>	<p>14</p> <p>15</p> <p>18</p> <p></p> <p>1M57</p> <p>2</p> <p>21</p> <p>211</p> <p>212</p> <p>22</p> <p>23</p> <p>24</p> <p>25</p> <p>26</p> <p>261</p> <p>263</p> <p></p> <p>264</p> <p></p> <p>268</p>	<p>Declaration of the result</p> <p>Objection petition</p> <p>Returning officer</p> <p><i>Special methods by the Chronological device (Illustrative)</i></p> <p>Proportional repre- sentation</p> <p><b>Parts of Govern- mental organisa- tion</b></p> <p><b>Crown, president</b></p> <p>Viceroy</p> <p>Governor</p> <p><b>Executive</b></p> <p><b>Legislature</b></p> <p><b>Party organisation</b></p> <p><b>Party in opposition</b></p> <p><b>Local bodies</b></p> <p>Urban local bodies</p> <p>Larger rural local bodies</p> <p>Primary rural local bodies</p> <p><i>Ad hoc</i> bodies for special functions</p> <p><i>(To be divided by subject device)</i></p>
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# POLITICAL SCIENCE

<i>Divisions of W based on</i>	3Q	State and religion
<i>Problem or P</i>	3T	State and education
<i>Characteristic</i>	3X4	State and transport facilities
<i>are to be applied to 26</i>	3X415	State and railways
<i>and subdivisions of 26 so far as they are applicable substituting Standing Committees in the place of</i>	4	Relation of the state with special classes of people
<i>Local bodies</i>	45	Foreigners
<i>with the proviso that if applied directly to 26, a zero is to be added to 26</i>	47	Backward classes
27	5	Relation of the state with citizens (civic rights and duties)
271		
372		
273		
275		
276		
2793		
28		
Administrative machinery, permanent executive, civil service		
3		
Functions of Government		
<i>Subdivisions by the subject device (Illustrative)</i>		
32		
State and library provision		
	7	Relation with constituent and subordinate states
	72	Federal
	77	Imperial
	78	Mandatory
	91	Foreign relation
	911	Diplomacy
	91194	Espionage
	914	War
	9141	Defence
	915	Peace
	9154	Disarmament

(To be subdivided as the Point of View Number '25' in 'V History')

## X ECONOMICS

X [B]: [E]: [G]: [C]

X—[B]: [E]: [G]: [C]

<i>Divisions based on</i>		6131	Gold
<i>the train of Business or B</i>		6132	Silver
<i>Characteristic</i>		614	Paper money
4	Transport	615	Bimetallism
		619	International coin- age
41	Land transport	62	Banking
411	Roads, highways	621	Rate of interest
412	Vehicles drawn by muscular power	622	Regulation of loans
413	Motor vehicles	623	Discount
415	Railways	624	Reserves
4151	Street railways	625	Special payments
4153	Provincial	626	Cheques and clearing houses
4155	International	627	Mechanism of ex- change
42	Water transport	64	Money market
421	Canal	65	Investment
423	River	651	Stocks
424	Lakes	652	Securities
425	Oceanic	6521	Public, state
428	Ports	6522	Public, municipal
43	Air transport	6523	Industrial
45	Communications	654	Lotteries, chitfunds
46	Post	66	Money-lending
47	Telegraph	661	Usury
48	Telephone	663	Liquidation
6	Finance	664	Extinction
61	Money and cur- rency	69	Types of banks
611	Denomination	691	Central and reserve
613	Precious metals		



# ECONOMICS

6912	Federal reserve	73	Revenue from state-owned properties
692	Industrial		
695	Commercial	74	Revenue from commercial and industrial undertakings
696	Mortgage		
6961	Land mortgage		
6966	Pawn mortgage	75	Public loans
6991	International settlement	751	Public loans in relation to state policy
7	Public finance	752	Creation of debt; forms of loans
71	Income and expenditure, budget	753	Sinking funds, conversion, liquidation, insolvency
72	Taxation		
721	Poll-tax	755	Foreign loans and foreign debts
722	Property tax		
723	Land tax	76	Expenditure
7232	Irrigation tax	796	Local public finance
724	Income-tax	8	Insurance
7241	Income from investments	81	Child
7242	Income from government bonds	83	Life
7243	Income from business	85	Marriage
	<i>To be divided by business</i>	86	Maternity
7244	Salary	88	Industrial
7245	Foreign income	89	Accidents
725	Profession tax	891	Fire
726	Inheritance tax	892	Unemployment
729	Indirect taxes	894	Sickness
7291	Taxes on articles of consumption; raw materials and manufactures	895	Marine
7292	Stamp duty	896	Bad debt. Credit
7293	Licence fees	9	Other businesses
	<i>To be divided by commodity</i>		<i>Divisions by the</i>
72991	Death duty		<b>Subject Device</b>
			<i>(Illustrative)</i>
		X9F182	Iron industry
		X9F551	Coal industry
		X9J	Agricultural economics
		X9JA	Lumber industry

# ECONOMICS

X9M13	Paper industry	46	Cost of entire trans-
X9M7	Textile industry		port
X9MH2331	Clay industry	48	Management of
X9MJ452	Cigar industry		transport
	<i>Divisions based on</i>	5	<b>Commerce</b>
	<b>Economics or E</b>	51	Marketing
	<i>Characteristic</i>	511	Survey
1	<b>Consumption</b>	512	Advertising
16	Standard of living	5121	Canvassing
17	Economic conserva-	517	Monopoly
	tion	518	Dumping
		52	Retailing
2	<b>Production</b>	525	Retailing store
26	Cost of production		
27	Resources	53	<b>Tariff</b>
271	Natural	531	Protection
272	Industrial	5311	Imperial preference
28	Management of pro-	533	Free trade
	duction	535	Export duty
		536	Import duty
3	<b>Distribution</b>		
31	Personal. National	54	<b>Exports and im-</b>
	income		ports
32	Functional	545	Exports
321	Consumer	546	Imports
322	Land. Rent	55	Storage
325	Trader	56	Financing
326	Capitalist. Interest	57	<b>Foreign exchange</b>
328	Organiser. Profit	575	Balance of trade
329	Labour. Wages	58	Management of com-
3M24	Socialism		merce
3N20	Social credit	591	Internal trade
4	<b>Transport</b>		
41	Packing	6	<b>Financing</b>
42	Collection, distribu-	7	<b>Value</b>
	tion	73	Supply and demand
44	Haulage		<i>Laissez-faire</i>
446	Rate, freight	731	Demand
45	Warehousing	732	Supply

# ECONOMICS

74	Business cycle	9	Labour
741	Boom	91	Labour systems
742	Depression	911	Child labour
746	Recovery measures	912	Apprentice labour
75	Artificial control.	913	Free labour
	Planned economy	915	Woman labour
76	Price	9162	Slave labour
8	Management	9163	Peonage; compulsory labour
81	Employer, ownership	9165	Convict labour
82	Employees	9166	Immigrant labour
828	Executive	9168	Blind labour
83	Planning, prospecting	919	Other systems
84	Equipment	92	Labour market
845	Purchasing	921	Seasonal variation
85	Records, filing	922	Unemployment
86	Investments	923	Labour and trusts
87	Accounts	925	Employment agencies
871	Budgeting	926	Labour and machinery
872	Book keeping	93	Skilled and unskilled labour, training
873	Cost accounting		
8732	Prime cost	94	Housing and social conditions of labour and labour hygiene
8733	Shop expenses		
8738	Oncost	941	Housing
8739	Types of cost accounts	943	Physiological study
87391	Terminal or contract	9434	Fatigue study
87392	Process	944	Industrial poisons and diseases; dust, vapour, heat, cold, moisture, pressure, air
87393	Operating		
87394	Multiple	945	Dangerous occupations; accidents
87395	Output		
874	Depreciation		
875	Reserve fund		
877	Valuation		
878	Balance sheet		
88	Audit		
893	Conduct of meetings		

# ECONOMICS

946 Standard of life  
948 Welfare institutions

95 Service conditions  
951 Hours  
9511 Overtime  
9512 Rest  
952 Wages  
9528 Profit-sharing  
953 Leave  
955 Compensation  
956 Retirement allow-  
ance  
957 Tenure  
958 Insurance  
9582 Unemployment bene-  
fit

96 Trade unions  
97 Strikes  
971 General strikes  
972 Sympathetic strikes  
973 Boycott  
974 Black listing  
975 Lockouts  
976 Sabotage  
977 Arbitration

X7—:[E]

*Special divisions based on the train  
of Economic characteristic for  
'72 Taxation' and its subdivisions*

1 Incidence  
11 Equal taxation  
12 Proportional taxa-  
tion  
124 Specific  
127 *Ad valorem*  
13 Progressive taxation  
2 Exemption  
3 Distribution  
32 Double taxation  
5 Effect on Indust-  
ries and Com-  
merce

*Special Types of  
Organisation by the  
Chronological Device  
(Illustrative)*

XM25 Co-operative  
XM55 Joint stock company  
XM85 Trust (American)  
XN12 Public utility  
XN17 Communistic

## Y OTHER SOCIAL SCIENCES

Y1 [G]: [P]: [S]: [Gg]: [C]

<b>Y1 SOCIOLOGY</b>		<b>5</b>	<b>Groups arising</b>
<i>Divisions based on the train of</i>			<i>from birth or</i>
<b>Group or G</b>			<b>status</b>
<i>Characteristic</i>			
<b>1</b>	<b>Groups arising</b>	<b>51</b>	<b>Royalty</b>
	<b>from age and sex</b>	<b>52</b>	<b>Aristocracy</b>
		<b>53</b>	<b>Middle class</b>
<b>11</b>	<b>Children</b>	<b>54</b>	<b>Military class</b>
	<i>(To be subdivided as in</i>	<b>55</b>	<b>Aliens</b>
	<b>'S Psychology')</b>	<b>57</b>	<b>Depressed class,</b>
<b>12</b>	<b>Youths</b>		<b>slums</b>
<b>13</b>	<b>Old persons</b>	<b>591</b>	<b>Groups arising from</b>
<b>15</b>	<b>Women</b>		<b>titles of distinction</b>
<b>16</b>	<b>Men</b>	<b>592</b>	<b>Groups arising from</b>
<b>2</b>	<b>Family</b>		<b>caste</b>
	<i>To be subdivided as in</i>	<b>5922</b>	<b>Twice-born, Dvijas</b>
	<b>'R 4 Ethics'</b>	<b>5923</b>	<b>Brahmans</b>
<b>3</b>	<b>Groups arising</b>	<b>5924</b>	<b>Kshatriyas</b>
	<b>from residence</b>	<b>5925</b>	<b>Vaiśyas</b>
<b>31</b>	<b>Rural community</b>	<b>5926</b>	<b>Sudras</b>
<b>33</b>	<b>Urban community</b>		
<b>35</b>	<b>City community</b>	<b>6</b>	<b>Abnormals and de-</b>
<b>38</b>	<b>Nation</b>		<b>fectives</b>
<b>396</b>	<b>Mountain community</b>		<i>(To be subdivided as in</i>
			<b>'S Psychology')</b>
<b>4</b>	<b>Groups arising</b>	<b>7</b>	<b>Race as a social</b>
	<b>from occupation</b>		<b>group</b>
<b>41</b>	<b>Professional</b>	<b>71</b>	<b>Prehistoric</b>
<b>45</b>	<b>Commercial</b>	<b>7114</b>	<b>Tertiary</b>
<b>48</b>	<b>Leaders</b>	<b>7115</b>	<b>Quaternary</b>
<b>49</b>	<b>Working class</b>	<b>714</b>	<b>Stone age</b>
<b>491</b>	<b>Serfs</b>	<b>7142</b>	<b>Eolithic</b>
<b>492</b>	<b>Slaves</b>	<b>7143</b>	<b>Paleolithic</b>

# OTHER SOCIAL SCIENCES

7144	Mesolithic	85	Nunneries
7145	Neolithic	9	Groups arising from other causes
718	Metal age		<i>To be subdivided by the</i>
7183	Copper and bronze		Subject Device
7188	Iron		<i>Divisions based on the train of</i>
7196	Lost races		Problem or P
71961	Gandvans		Characteristic
71963	Lemurians	1	Civilisation. Culture
71965	Atlantic race	2	Physical features and characters
72	Primitive		
73	Ethnologic divisions	21	Weight
738	Gypsies	22	Measurements
	<i>Other divisions by the</i>	221	Linear
	Subject Device	222	Area
	<i>(Illustrative)</i>	223	Volume
73MY6	Nomadic	23	Proportion
73P1	Aryan	24	Abnormalities
73P11	Teutonic	241	Size
73P114	Nordic	2411	Dwarf
73P128	Celtic	2412	Giant
73P14	Slav	242	Shape
73P15	Hindu	243	Position
73P2	Semitic	244	Fixation
73P25	Jewish	245	Number
73P28	Arabic	246	Total absence
73P3	Dravidian	247	Lateral interchange
73P41	Mongolian	25	Colour
74	Territorial divisions	27	Functioning
	<i>To be got by the</i>	2922	Taste
	Geographical Device	2924	Smell
8	Groups arising from association	2927	Touch
81	Secret societies	293	Strength
82	Freemasons	294	Temperature
83	Friendly societies	3	Activities, Attitudes
84	Monasteries		<i>To be divided as the</i>
			Problem Divisions of R4 Ethics
			<i>with the following modifications</i>

## OTHER SOCIAL SCIENCES

<b>34</b>	<b>Ceremonials</b>		<i>Each division of 38 to be divided as the Entity Divisions <math>\Delta</math> and by the Subject Device and a '0' to be added after '38' if the Entity Number or Subject Number is to be directly applied to it</i>
341	Childhood		
3411	Naming		
342	Adolescence		
343	Adulthood		
344	Old age		
345	Funerals		<b>Other Activities and Attitudes</b>
346	Anniversaries		<i>To be got by the</i>
348	Inauguration		<b>Subject Device</b>
	<i>To be subdivided by the</i>	<b>4</b>	<b>Social pathology</b>
	<b>Subject Device</b>	<b>41</b>	<b>Intemperance</b>
	<i>(Illustrative)</i>	411	Alcoholism
		412	Tobacco habit
348D	Buildings	413	Opium habit
348U8	Travel	414	Other drug habits
348W021	Coronation	<b>42</b>	<b>Degeneration</b>
	<i>Other ceremonials by the</i>	421	Physical
	<b>Subject Device</b>	423	Mental
		425	Moral
35	'As if' activities	426	Spiritual
351	Folklore	<b>43</b>	<b>Destitution</b>
354	Superstitions	431	Widowhood
356	Traditions. Customs	432	Orphanhood
	<i>Each division of 35 to be subdivided as the</i>	433	Unemployment
	<b>Entity Divisions of <math>\Delta</math> and</b>	434	Poverty
	<i>by the Subject Device</i>	435	Disasters
	<i>and a '0' to be added after '35' if</i>	4351	Fire
	<i>the Entity Number or Subject</i>	4353	Famine
	<i>Number is to be directly</i>	4354	Pestilence
	<i>applied to it</i>	4355	Floods
		436	Earthquake
<b>38</b>	<b>Symbolism</b>	437	Accidents
381	Material. Totem.	438	War
	Flags	<b>44</b>	<b>Social evil</b>
382	Ideas	<b>45</b>	<b>Crime</b>
383	Sound		<i>(To be subdivided as in 'Z Law')</i>
384	Graphic	46	Short life
386	Gesture	48	Disunion
388	Script	484	Espionage

## OTHER SOCIAL SCIENCES

- |  |  |
|--|--|
| <p>49      Other ills</p> <p>492     Slavery</p> <p style="padding-left: 40px;"><i>To be further subdivided by the<br/>Subject Device</i></p> <p>5       Population problem</p> <p>51      Under-population</p> <p>52      Over-population</p> <p>55      Sex-proportion</p> <p>7       Personality</p> <p style="padding-left: 40px;"><i>To be divided as in<br/>S Psychology</i></p> <p>8       Equipment</p> <p>81      Habitat and resi-<br/>             dence</p> <p style="padding-left: 40px;"><i>To be divided as the<br/>Utility Divisions of<br/>N1 Architecture</i></p> <p>82      Utensils</p> <p>823     Cooking</p> <p>825     Drinking</p> <p>828     Storing</p> <p>83      Implements</p> <p>831     Fire</p> <p style="padding-left: 40px;"><i>Other divisions by the<br/>Subject Device<br/>(Illustrative)</i></p> <p>83C4   Heating devices</p> <p>83C5   Lights, lamps</p> <p>83J     Agricultural imple-<br/>             ments</p> <p>83M7   Textile implements</p> <p>83P18   Writing implements</p> <p>84      Transport—track</p> <p style="padding-left: 40px;"><i>To be divided as the<br/>Business Division<br/>4 of X Economics</i></p> | <p>85      Transport—Vehicle</p> <p style="padding-left: 40px;"><i>To be divided as the<br/>Business Division<br/>4 of X Economics</i></p> <p>86      Ornaments</p> <p style="padding-left: 40px;"><i>To be divided as the<br/>Regional Organ Divisions<br/>of L Medicine<br/>(illustrative)</i></p> <p>8631   Toe ring</p> <p>8633   Anklets</p> <p>8637   Waist cord</p> <p>8666   Bangles</p> <p>8668   Rings</p> <p>867    Necklaces</p> <p>8683   Ear rings</p> <p>8684   Nose rings</p> <p>8687   Crown—Head or-<br/>             naments</p> <p>8688   Ornaments for hair</p> <p>8697   Tattooing</p> <p>88      Apparel</p> <p>91      Nomenclature etc.</p> <p style="padding-left: 40px;"><i>To be divided as in<br/>G Natural Science</i></p> <p style="padding-left: 40px;"><i>Divisions based on the train of<br/>Secondary Problem or S<br/>Characteristic</i></p> <p style="padding-left: 40px;"><i>For Problem Divisions 1, 3, 7, 8</i></p> <p>1       Nomenclature, etc.</p> <p style="padding-left: 40px;"><i>To be divided as in<br/>G Natural Science</i></p> <p>5       Influence. Contact</p> <p>6       Genetic or compara-<br/>             tive study</p> <p>62      Variation, natural<br/>             selection</p> <p>65      Hybridisation<br/>             (cultural)</p> |
|--|--|



# OTHER SOCIAL SCIENCES

7	Conservation. Im- provement	5G	Eugenical
		5Q	Religious
75	Ecological methods	5T	Educational
76	Phylogenetic methods	5U	Congregational
		5X	Occupational
77	Ontogenetic methods	5Y	Family system
		5Z	Legislative
	<i>For Problem Division 2</i>	6	Treatment
	<i>Same as the</i>	61	Detection, police
	<b>Organ Divisions</b>	62	Prison
	<i>of L Medicine</i>	63	Banishment
	<i>For Problem Division 4</i>	64	Extermination
	<i>(May also called</i>	65	Asylum, correction
	<b>Handling or H</b>	66	Work house
	<i>Characteristic)</i>	67	Relief work
1	Nomenclature, etc.	68	Charity
2	Etiology	69	Other methods
3	Diagnosis	691	Corporeal punish- ment
4	Experimentation		
5	Prevention		
	<i>Subdivisions by the</i>		<i>For Problem Division 5</i>
	<b>Subject Device</b>		<i>same as for Problem Division 4</i>
	<i>(Illustrative)</i>		<i>with suitable modifications</i>
			<i>in Terminology</i>

## Z LAW

Z [C]: [L]: [P]

Z1 A: [L]: [P]

Z1 B: [L]: [P]

Z1 C: [L]: [P]

Z1 D: [L]: [P]

<i>Divisions based on the train of</i>	153	Pope
Community or C	155	Aliens
Characteristic	1556	Domiciled aliens
<i>(To be got by Geographical</i>	156	Nationals
Device and by Subject Device)	1591	Diplomatic agents
<i>Divisions based on the train of</i>		
Law or L	16	Abnormals
Characteristic	163	Insane
1    Legal person	164	Sick and infirm
11   Divisions arising	165	Criminals
from age and sex	166	Insolvents, bank-
111   Minor		rupts
1133  Guardian		
115   Woman	17	State
12    Family	171	Sovereign state
121   Husband and wife;	1712	Federal state
marriage	1717	Colony
1214  Concubinage	1718	Mandatory
122   Parents and children	172	Tribal
1224  Children of mixed	173	Neutral
marriages	1734	Armed neutral
1225  Adopted children	175	Belligerent. Foreign
138   Illiterate	18	Corporations
1492  Slave	186	Charities
15    Divisions arising	19	Other legal per-
from birth or		sonalities
status	191	Idol
151   Royalty	192	Mutt, Mosque,
152   Aristocracy		Church

# LAW

2	Property	33	Partnership
21	Immovables. Terri-	34	Bailment
	tory	35	Sale
211	Land	36	Debtor and creditor
215	Seas	37	Extradition
2153	Marginal seas	396	Quasi-contracts
2157	Rivers	4	Torts
2158	Harbours	41	Against person
218	Air		<i>(To be subdivided as 51 Crime</i>
24	Treasure trove		<i>against person)</i>
25	Servitudes	42	Against property
251	Support		<i>(To be subdivided as 52 Crime</i>
253	Produce		<i>against property)</i>
254	Right of way		
255	Water	43	Against obligations
256	Fishery	44	Negligence
258	Air and light	45	Nuisance
2591	Prospective	47	Against reputation.
26	Movables		Defamation
265	Ships	494	Custody of danger-
267	Immaterial		ous animals and
2671	Goodwill		things
2673	Design ; patent	496	Quasi-torts
2674	Copyright	5	Crime
2675	Trade mark	51	Against person
2677	Document	511	Homicide
27	Licence	5111	Suicide
28	Exterritoriality	5112	Murder
281	Diplomatic offices	5113	Man-slaughter
2811	Residences of diplo-	512	Hurt, etc.
	matic agents	5121	Hurt
282	Pope's residence	5122	Assault
284	Army quarters	5123	Battery
293	Neutral property	5124	False imprisonment
3	Contracts. Treaties	5125	Kidnapping, abduction
31	Master and servant		
32	Agency	51262	Slavery
325	Auctioneers	51263	Forced labour

# LAW

5141 Intimidation  
 5142 Annoyance  
 515 Against women  
 5151 Rape  
 5152 Offending modesty  
 5153 Procuring abortion  
 517 Against marital status

52 Against property  
 5211 Arson  
 5212 Mischief  
 5215 Extortion  
 5221 Dacoity  
 5222 Robbery  
 5223 Theft  
 5224 Receiving stolen property  
 5231 Cheating  
 5232 Misappropriation  
 5238 Breach of trust  
 524 Trespass  
 5242 House-breaking  
 527 Against immaterial property  
 5275 Against trade mark  
 5277 Forgery  
 52774 Using forged document

53 Breach of contract  
 54 Negligence and rashness  
 55 Public nuisance  
 57 Against reputation  
 58 Against public peace  
 581 Unlawful assembly  
 682 Rioting  
 583 Affray  
 5Q Against religion

5W Against state  
 5W1 Against king  
 5W2 Against ministers  
 3W3 Against members of legislature  
 5W4 Waging war against state  
 5W5 Adhering to enemies of the state  
 5W6 Betrayal of state secrets  
 5W7 Promoting class hatred  
 5W8 Against public servants  
 5W84 Against army, etc.  
 5Xe Relating to weights and measures  
 5X61 Relating to coin and government stamps  
 5Z Against public justice  
 5Z7 Against regulative laws

6 Conflict of laws  
*(All the divisions of Z based on the trains of L and P Characteristics are applicable to 6)*

7 Regulative laws  
*To be subdivided by Subject Device  
 To be used for cross reference only*

8 Administration and procedure  
 801 Civil procedure

# LAW

305	Criminal procedure	8871	Master
81	Arbitration	8872	Clerk of the crown
82	Forum, jurisdiction	888	Executive
83	Stamp, court-fees	8883	Sheriff and bailiffs
84	Bar of suit	891	Contempt of court
842	Res judicata, autre- fois acquit	91	Jurisprudence
843	Extinction	916	Legal maxims
844	Withdrawal	92	Sources
846	Limitation	921	Sacred
85	Filing	922	Custom
853	Pleading	923	Convention
86	Trial	924	Equity
861	Institution	925	Case-law
862	Enquiry	926	Fiction in law
8624	Cross-examination	928	Enactment
863	Appeal, review, revision	93	Interpretation
87	Judgment and decree	94	Evidence
871	Compromise, award	95	Remedies and sanc- tions
876	Contested	9511	Death
877	Ex parte	9512	Penal servitude, transportation
878	Execution	9513	Imprisonment
88	Administrative ma- chinery	9514	Whipping
881	Court	9521	Confiscation
8811	Institution court	9522	Fine
8813	Appeal court	9531	Preventive detention
88196	Quasi-court	9532	Recognizances
882	Bench, etc.	9533	Police inspection
8821	Judge, magistrate	9534	Probation
8825	Jury	9541	Borstal treatment
8826	Assessors	9542	Detention in in- ebriate retreat
883	Bar	9591	Restitution
8831	Advocate	9592	Damages
8835	Attorney, solicitor	9593	Administration of estates

# LAW

9594	Injunction	2	Possession
9595	Specific performance	3	Landlord and Tenant
9596	Control of documents	4	Transfer
9597	Declaratory order	41	Will. Cession
9598	Writs	42	Gift
95981	Mandamus	43	Exchange
95982	Certiorari	44	Conquest
95983	Habeas corpus	45	Acquisition by
95984	Prohibition		State
95993	Maintenance	46	Compulsory sales.
			Annexation.
A War			Seizure
B Land		47	Occupation
C Naval		48	Discovery
D Air		493	Covenants running with the property
<i>(All the divisions of Z based on the trains of L and P)</i>		6	Security, mortgage
<i>Characteristics are applicable to A, B, C and D)</i>		7	Lease
<i>Divisions based on the train of</i>		8	Trust
<i>Problem or P</i>		93	Boundary
<i>Characteristics</i>		931	Natural
<i>For 1 Legal Person</i>		933	Coast
1	Capacity. Jurisdiction	936	Mountains
		937	Rivers
		938	Lakes
	<i>To be divided as the</i>	9391	Artificial
	<i>Problem Division 25</i>		
	<i>of V History</i>		
195	<i>Ultra vires</i>		<i>For 3 Contracts</i>
1991	Right of legation	1	Capacity
5	Alienation	2	Consideration
6	Succession		
	<i>For 2 Property</i>	3	Formation
1	Ownership	31	Offer
14	Limited	36	Acceptance
16	Perpetuities	37	Ratification
		38	Deed

# LAW

4	Avoidance	3	Belligerent mea-
41	Misrepresentation		sures, warfare
42	Fraud	31	Invasion
43	Coercion	32	Stratagem
45	Undue influence	33	Siege, blockade
48	Mistake	34	Espionage
5	Lien	35	Prohibited weapons,
6	<b>Enforcement</b>		methods a n d
7	Dissolution		actions
71	Waiver	4	Wounded and sick
72	Act of God	5	Intercourse of bel-
			ligerents
	<i>For A, B, C, D, War</i>	51	Truce
	<i>(When the train of</i>	52	Capitulations
	<i>L Characteristics</i>	53	Cartels
	<i>is not applicable)</i>	54	Safe conducts
1	Declaration of war		
193	Notification to neu-	6	Prisoners of war
	tral states	8	Cessation of hos-
2	Martial law		tilities

# COLON CLASSIFICATION

BY

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Secretary, Madras Library Association

## PART III

INDEX TO THE SCHEDULES



MADRAS

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SECOND EDITION (*Revised*) 1939

251qN33  
G9·3

## HOW TO USE THE INDEX

The index consists of two sections. The first section constitutes an alphabetic index to the fundamental constituent terms in the Schedules of Classification contained in Part II but not to the derived composite terms (vide *Prolegomena to library classification*. Pp. 135-139). The second section indexes in one alphabetic sequence the title entries and the author entries of all the works, whose Class Numbers have been worked out by the Classic Device and given in the illustrative schedules of Part II.

In the second section, the Class Number is given against each entry and there is nothing novel in it.

But the numbers given against the entries of the first section require some explanation. The number in antique type gives the Main Class or the Canonical Division of the Main Class to which the 'term' in the entry belongs. The capital letter in ordinary type, which follows the number in antique type, gives the 'train of characteristics of classification' to which the 'term' belongs. The number that follows the capital letter in ordinary type gives the number of the 'term' among the divisions based on the specified characteristic of classification, in the specified Main Class or Canonical Division of the Main Class, as the case may be.

If the number against an entry begins with 'G.D.', it means that the term in the entry belongs to the Schedule of Geographical Divisions.

If it begins with 'L.D.', it means that the term belongs to the Schedule of Language Divisions.

There are 14 fundamental types of entries. An example of each such type is given here, along with its interpretation. There may be combinations of such fundamental types whose interpretation will be obvious.

I Type: Abscess L,P,475

## HOW TO USE THE INDEX

This means that the term 'Abscess' occurs as division 475 among the divisions based on the 'P' or Problem train of characteristics in the Schedule for the Main Class 'L' *i.e.* 'Medicine'.

### II Type: Allegiance V,P, 2591; W,P,591

This means that the term 'Allegiance' occurs in two classes *viz.* 'V' *i.e.* 'History' and 'W' *i.e.* 'Political Science'. In the former it occurs as division 2591 among the divisions based on the 'P' or Problem train of characteristics and in the latter as division 591 among the divisions based on the 'P' or Problem train of characteristics.

Cases, in which three or more groups of figures separated by semi-colons occur, are to be interpreted similarly.

### III Type: Financing X,E,56,6

This means that the term 'Financing' occurs twice, *viz.* as divisions 56 and 6 among the divisions based on the 'E' or Economic train of characteristics of the Main Class 'X' *i.e.* 'Economics'.

### IV Type: Transport X,B,E,4

This means that the term 'Transport' occurs twice in the schedule of the Main Class 'X' *i.e.* 'Economics' as division 4 among the divisions based on the 'B' or Business train of characteristics and among the divisions based on the 'E' or 'Economic' train of characteristics.

### V Type: Abdomen K,L,O,14.

This means that the term 'Abdomen' occurs twice *viz.* as division 14 among the divisions based on the 'O' or Organ train of characteristics of the Subject Divisions 'K Zoology' and 'L Medicine'.

### VI Type: Air-transport D,W,X,B,43

This means that the term 'Air-transport' occurs twice *viz.* as division 43 among the divisions based on the 'W' or Work train of characteristics of the Main Class 'D' *i.e.* 'Engineering' and as division 43 among the divisions based on the 'B' or Business train of characteristics of the Main Class 'X' *i.e.* 'Economics'.

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### VII Type: Abortion L, O-55,P,34

This means that the term 'Abortion' occurs as division 34 among the divisions based on the 'P' or Problem train of characteristics of the 'O' or Organ Division '55' of the Main Class 'L Medicine'.

### VIII Type: Aberdeen G.D. 56384

This means that the term 'Aberdeen' occurs as division 56384 among the Geographical Divisions.

### IX Type: Afghan L.D. 165

This means that the term 'Afghan' occurs as division 165 among the Language Divisions.

### X Type: Acromegaly L66:472

This means that the term 'Acromegaly' has the Class Number L66:472.

### XI Type: Agriculture J

This means that the term 'Agriculture' occurs as division 'J' in the Schedule of Main Classes.

### XII Type: Abelian functions B392M26

This means that the term 'Abelian functions' has the Canonical Division number B392M26.

### XIII Type: Acts $q$

This means that the term 'Acts' occurs as division  $q$  among the Schedule of Common Subdivisions.

### XIV Type: Absence $b$ , 53

This means that the term 'Absence' occurs as the sub-division 53 of the division  $b$  in the Schedule of Common Subdivisions.

The following example illustrates how a combination of the fundamental types is to be interpreted:—

Administration 2,P,4; T,P,431; V,W,P,28; Z, L,8,9593.

This means that the term 'Administration' occurs as 'Problem Division 4' in the Generalia Class '2 Library Science'; as

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'Problem Division 431' of the Main Class 'T Education'; as the 'Problem Division 28' of the Main Classes 'V History' and 'W Political Science'; as 'Law Divisions 8 and 9593' of the Main Class 'Z Law'.

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Vedāntadeśika *Tattvaṭīkā* R672:5x23

Vedāntadeśika *Vāditrayakhaṇḍana* R672xG68:5

*Vedāntādhikaraṇamālā* by Goswami Śrī Puruṣottamjee  
R6893:5x14

*Vedaparakāśa* by Satyagñānanda R64xL40



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- Vedārtha saṅgraha* by Rāmānuja R672xE20:2  
*Vemulavāḍa Bhīmakavi Kavijanaśrayamu* 035:1:90Px1  
*Veṇīdatta Padārtha maṇḍana* R621xL50  
*Veṇīdattācārya Bhedaśāstra* R68xL50  
*Venkanna (Koṭi) Andhrabhāṣārṇavam* P35:E4x3  
*Venkaṭācārya Siddhāntaratnāvalī* R672xK20:1  
*Venkaṭamakḥin Caturdaṇḍi-prakāśikā* N8441:Kx6  
*Venkaṭanātha See Vedāntadeśika*  
*Venkaṭarāma Śāstri (Kallūri) and Sunkararaṅgayya Bālavya*  
*kaṛaṇa-guṇārtha-prakāśikā* P35:ExM601  
*Vibhaktiyārtha nirṇaya* Giridhara R625024013x2  
*Vidhānapārijāta* by Anantabhaṭṭa Q2:4xL25  
*Vidhirasāyana* by Appaya Dikṣita R641xJ50  
*Vidhi viveka* by Maṇḍana Miśra R641x4  
*Vidvanmanoraṅjanī* by Rāmatīrtha R66xJ25:13  
*Vidvatprabodhinī* by Rāmabhaṭṭa P5:Cx71K80  
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*Vidyācakraṇvartin Sañjīvanī* O15:9xF203  
*Vidyādhara Ekāvalī* O15:9xH15  
*Vidyākara Vājapeyi Nityācārapaddhati* Q2:4xH80  
*Vidyānanda Tattvārtha Śloka-vārttika* R69316  
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*Vidyāranya Pañcadaśī* R66xH50:1  
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*Vidyāsāgara Bhaṭṭācārya (Jivānanda) See Jivānanda Vidyā-*  
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*Vijñāna Bhikṣu Yogasāra-saṅgraha or Jñāna Pradīpa* R635x3  
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- Vimśatikā* by Vasubandhu R6946x3:1  
*Vimuktātman Iṣṭasiddhi* R66x4  
*Vināveṇbā* by Umāpatiśivācārya R673x6:2  
*Vinayavijayagaṇi Haimalaghu prakriyā* P15:Cx55  
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*Viṣṇu* Q2:4x7  
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*Viśvanātha Sāhityadarpaṇa* O15:9xH35  
*Viśvanātha Darpaṇa* O15:9x85  
*Viśvanātha Cakravartin Alamkāra-kaustubha-sārabodhini*  
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*Viśvanātha Cakravartin Anandacandrikā or Ujjvalanīlamani-*  
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*Viśvanātha Pañcānana Bhaṭṭācārya Kārikāvali or Bhāṣā*  
*pariccheda* R625x7  
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*Viśvaprakāśa* by Maheśvara P15:C4x3  
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*Viśveśvara Rākāgama* or *Sudhā* O15:9xH102  
*Viśveśvara Bhaṭṭa Alamkāra kaustubha* O15:9xL00  
*Viṭṭhalācārya Prakriyā kaumudī-prasāda* P15:Cx171  
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*Vivaraṇa* by Jñānottama R66x41  
*Vivaraṇa* by Rāmamiśra R672x5  
*Vivaraṇa-prameya-saṅgraha* by Vidyāranya R66xH50:3  
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- Vivaraṇopanyāsa* by Rāmānanda Sarasvatī R66:5x1115  
*Vivecana* by Ānandagiri R66:6x11  
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*Vivṛti* by Jayanārāyaṇa Tarkapañcānana R621x1M50  
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*Vopadeva Mughdhabodha* P15:CxF60  
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*Vṛtti* by Kātyāyana or Vararuci P15:Cx11  
*Vṛtтивārttika* by Appaya Dīkṣita O15:9xJ53:3  
*Vyākaraṇa-dīpikā* by Orambhaṭṭa P15:Cx1M40  
*Vyākaraṇamitākṣara* by Annambhaṭṭa P15:Cx1K10  
*Vyākhyāśudhā* by Bhānujī Dīkṣita P15:C4x15  
*Vyaktiviveka* by Mahimabhaṭṭa O15:9xE51  
*Vyaktiviveka vyākhyā* O15:9xE511  
*Vyāsa Bhāṣya* or *Yogasūtra* R635x11  
*Vyāsa Vyāsaśikṣā* P15:25A1x1  
*Vyāsa* (Sadānanda) See Sadānanda Vyāsa  
*Vyāsa-tātparya-nirṇaya* by Ayyaṇṇādīkṣita R66xM00  
*Vyāsatīrtha Bhedojjīvana* R68xI67:2  
*Vyāsatīrtha Nyāyāmṛta* R68xI67:1  
*Vyāsatīrtha Tarkatāṇḍava* R68xI67:3  
*Vyāsatīrtha Tātparya-candrikā* R68:5x111  
*Vyutpattivāda* by Gadādhara Bhaṭṭācārya R625024013x4  
*Vyutpattivādayyākhyā* by Baccasarma R625024013x42  
*Vyutpattivādayyākhyā* by Kṛṣṇa Bhaṭṭa R625024013x41  
*Vyutpattivādayyākhyā* by Sudarśanācārya R625024013x43

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- Yādavaprakāśa Vaijayanṭī* P15:C4x2  
*Yādavācārya Nyāyamañjarīśūra* R625xJ502  
*Yadupadācārya Yadupadīya* R68:5x214  
*Yadupadīya* by Yadupadācārya R68:5x214  
*Yājñavalkya* Q2:4x2  
*Yakṣavarma Cintāmaṇi* P15:Cx43  
*Yāmuna Gītārtha saṅgraha* R67:6x1  
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## SECOND SECTION

- Vimśatikā* by Vasubandhu R6946x3:1  
*Vimuktātman Iṣṭasiddhi* R66x4  
*Vināvenbū* by Umāpatiśivācārya R673x6:2  
*Vinayavijayagaṇi Haimalaghu prakriyā* P15:Cx55  
*Vinayaviniccaya* Q41x6:3  
*Vīra Maṇḍalavar Cūdāmani nighaṇṭu* P31:D4x5  
*Vīramitrodaya* by Mitramiśra Q2:4xK20  
*Virodhanirodha* by Śrinivāsa R672xK80:8  
*Virūpākṣa Śārada śarvarī* O15:9xH104  
*Viṣṇu* Q2:4x7  
*Viṣṇusahasranāma* Q22:4173x1  
*Viṣṇusahasranāmbhāṣya* by Śankara Q22:4173x11 or R66:8x1  
*Vistasp* Q8451:2538  
*Visuddhimagga* by Buddhaghosa Q41x5  
*Viśvakarman Nyāyapradīpa* R625x58  
*Viśvambhara Tripāthī Smṛti Sāroddhāra* Q :4zxJ30  
*Viśvanātha Sāhityadarpaṇa* O15:9zH35  
*Viśvanātha Darpaṇa* O15:9x85  
*Viśvanātha Cakravartin Alamkāra-kaustubha-sārabodhini*  
 O15:9xJ241  
*Viśvanātha Cakravartin Anandacandrikā or Ujjvalanīlamanī-*  
*kirāṇa* O15:9xJ322  
*Viśvanātha Pañcānana Bhaṭṭācārya Bhedasiddhi* R68xK30  
*Viśvanātha Pañcānana Bhaṭṭācārya Dinakarīya* R625x711  
*Viśvanātha Pañcānana Bhaṭṭācārya Kārikāvalī or Bhāṣā*  
*pariccheda* R625x7  
*Viśvanātha Pañcānana Bhaṭṭācārya Mukṭāvalī* R625x71  
*Viśvanātha Pañcānana Nyāya-sūtravṛtti* R625x13  
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*Viśvarūpa* Q2:4x21  
*Viśveśvara Rākāgama* or *Sudhā* O15:9xH102  
*Viśveśvara Bhaṭṭa Alamkāra kaustubha* O15:9xL00  
*Viṭṭhalācārya Prakriyā kaumudī-prasāda* P15:Cx171  
*Viṭṭhaleśopādhyāya Commentary on Laghucandrikā* R66x911  
*Vivaraṇa* by Jñānottama R66x41  
*Vivaraṇa* by Rāmamiśra R672x5  
*Vivaraṇa-prameya-saṅgraha* by Vidyāraṇya R66xH50:3  
*Vivaraṇa-tātparya-dīpikā* by Citsukha R66:5x1112

## SECOND SECTION

- Vivaraṇopanyāsa* by Rāmānanda Sarasvatī R66:5x1115  
*Vivecana* by Ānandagiri R66:6x11  
*Vivekacūḍāmaṇi* by Saṅkara R66x D68:1  
*Vivṛti* by Jayanārāyaṇa Tarkapañcānana R621x1M50  
*Vivṛti* by Rājānaka Tilaka O15:9x43  
*Vivṛti* by Rāmācāraṇa Tarkavāgīśa O15:9xH352  
*Vopadeva Mughdhabodha* P15:Cx F60  
*Vrajanātha Bhaṭṭa Marīcikā* R6893:5x18  
*Vrātyaprayaścitta nirṇaya* by Nāgeśa bhaṭṭa Q2:4195xJ50  
*Vṛtti* by Kātyāyana or Vararuci P15:Cx11  
*Vṛttivārttika* by Appaya Dīkṣita O15:9xJ53:3  
*Vyākaraṇa-dīpikā* by Orambhaṭṭa P15:Cx1M40  
*Vyākaraṇamitākṣara* by Annambhaṭṭa P15:Cx1K10  
*Vyākhyāsudhā* by Bhānuji Dīkṣita P15:C4x15  
*Vyaktiviveka* by Mahimabhaṭṭa O15:9xE51  
*Vyaktiviveka vyākhyā* O15:9xE511  
*Vyāsa Bhāṣya* or *Yogasūtra* R635x11  
*Vyāsa Vyāsaśikṣā* P15:25A1x1  
*Vyāsa* (Sadānanda). See Sadānanda Vyāsa  
*Vyāsa-tātparya-nirṇaya* by Ayyaṇṇādīkṣita R66xM00  
*Vyāsatīrtha Bhedojjīvana* R68xI67:2  
*Vyāsatīrtha Nyāyamṛta* R68xI67:1  
*Vyāsatīrtha Tarkatāṇḍava* R68xI67:3  
*Vyāsatīrtha Tātparya-candrikā* R68:5x111  
*Vyutpattivāda* by Gadādhara Bhaṭṭācārya R625024013x4  
*Vyutpattivādavyākhyā* by Baccaśarma R625024013x42  
*Vyutpattivādavyākhyā* by Kṛṣṇa Bhaṭṭa R625024013x41  
*Vyutpattivādavyākhyā* by Sudarśanācārya R625024013x43

## Y

- Yādavaprakāśa Vaijayantī* P15:C4x2  
*Yādavācārya Nyāyamañjarīśāra* R625xJ502  
*Yadupadācārya Yadupadīya* R68:5x214  
*Yadupadīya* by Yadupadācārya R68:5x214  
*Yājñavalkya* Q2:4x2  
*Yakṣavarma Cintāmaṇi* P15:Cx43  
*Yāmuna Gītārtha saṅgraha* R67:6x1  
*Yāmuna Siddhitraya* R672x1

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- Yāska *Nirukta* P15:10A28:3x1  
Yaśodānandan Sarkār *Pradīpa* LAx3M90  
Yatīndramataḍḍīkā by Śrīnivāsa R67xK80:9  
Yogācārabhūmiśāstra by Maitreyaṇātha R6946x1:2  
Yogānandanātha *Ayurveda sūtra* LAx8  
Yogarāja R663x3:31  
Yoga-sārasaṅgraha by Vijñāna Bhikṣu R635x3  
Yoga-siddhānta-candrikā by Nārāyaṇa Tīrtha R635x1M20  
Yoga-sudhākara by Sadāśivendra Sarasvatī R635x1L50  
Yoga-sūtras by Patañjali R635x1  
Yoga-sūtra-vṛtti by Sadāśivendra Sarasvatī R635x1L50  
Yogāvacāra *Manual* Δ41:3x1  
Yoga-vārttika by Vijñāna Bhikṣu R635x12  
Yogāvataropadeśa by Dharmendra Δ42:3x2  
Yogīndudeva *Paramātmaprakāśa* Δ3xD50  
Yogopaniṣads Δ2x4  
Yuktīdīpikā R631x28  
Yuktikalpataru by Bhoja MxE55  
Yuktiśaṣṭhikā by Nāgārjuna R6947x1:2  
Yuktisneha-prapūrāṇi by Rāmakṛṣṇa Miśra R641x71

## Z

- Zad sparam Q8451x2  
Zohar Δ5:8x1

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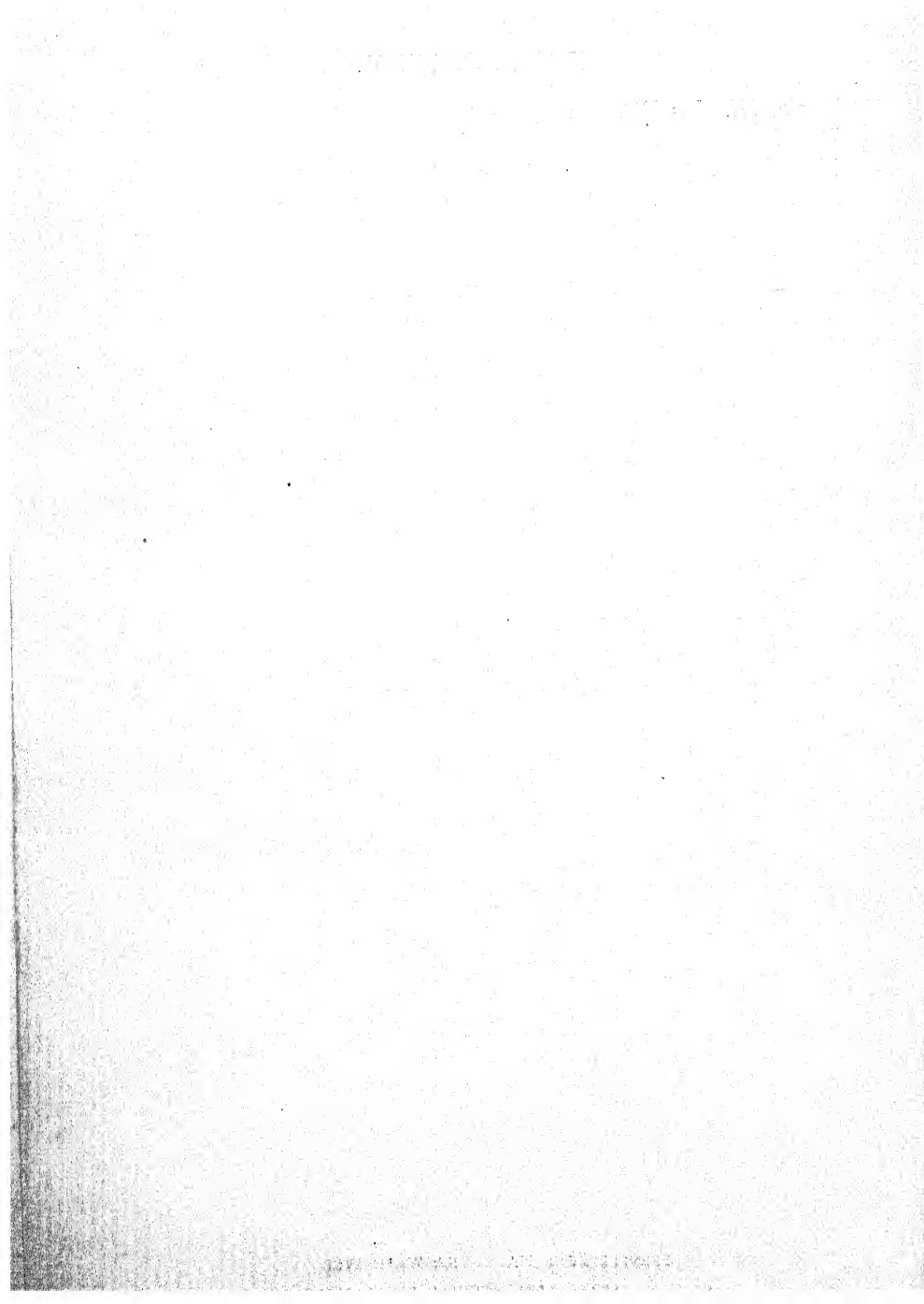
## SECOND SECTION

- Yāska Nirukta* P15:10A28:3x1  
*Yaśodānandan Sarkār Pradīpa* LAx3M90  
*Yatīndramatadīpikā* by Śrinivāsa R67xK80:9  
*Yogācārabhūmiśāstra* by Maitreyaṇātha R6946x1:2  
*Yogānandanātha Āyurveda sūtra* LAx8  
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*Yoga-vārttika* by Vijñāna Bhikṣu R635x12  
*Yogāvataropadeśa* by Dharmendra Δ42:3x2  
*Yogīndudeva Paramātmaprakāśa* Δ3xD50  
*Yogopaniṣads* Δ2x4  
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*Yuktiṣaṣṭikā* by Nāgārjuna R6947x1:2  
*Yuktisneha-prapūraṇi* by Rāmakṛṣṇa Miśra R641x71

## Z

- Zad sparam* Q8451x2  
*Zohar* Δ5:8x1





# COLON CLASSIFICATION

BY

S. R. RANGANATHAN, M.A., L.T., F.L.A.

Librarian, Madras University Library

Secretary, Madras Library Association

## PART IV

Examples of Call Numbers



MADRAS

THE MADRAS LIBRARY ASSOCIATION

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LONDON, EDWARD GOLDSTON, LTD.

1939

FIRST EDITION 1933  
SECOND EDITION (*Revised*) 1939

251qN33  
G9.4

Printed by  
Thompson & Co., Ltd.,  
Madras.

## Interpretation of Call Numbers

### SOME EXAMPLES

- (1) D66:2 G7 COTTON (H.). Transmission and distribution of electrical energy.

D66:2 is *class number* where

D = Engineering;

D6 = Mechanical engineering;

D66 = Electrical engineering;  
and

D66:2 = Transmission (in electrical engineering).

G7 is *book number* where

G = 193—; and

G7 = 1937.

Thus

D66:2 G7 = An English book on transmission (in electrical engineering) published in 1937.

- (2) O:2J64:9 G52 SPRAGUE (Arthur Colby). Shakespeare and the audience; a study in the technic of exposition.

C:2J64:9 is *class number* where

O = Literature;

O: = English literature;

O:2 = English drama;

O:2J64 = Shakespeare *i.e.* the English dramatist born in 1564 (J = 15 ; J6 = 156— and J64 = 1564);  
and

# CALL NUMBER

O:2J64:9 = Criticism of Shakespeare.  
 G52 is *book number* where  
 G = 193—;  
 G5 = 1935; and  
 G52 = Third of the books (in the  
 ultimate class in ques-  
 tion) published in 1935.

Thus

O:2J64:9 G52 = The third English book  
 (in the library) on  
 Shakespearean criticism  
 published in 1935.

(3) Q6:22 C9.7 COOK (F. C.). *Ed.* Holy  
 Bible according to the  
 authorised version.  
 A.D. 1611 with an  
 explanatory and critical  
 commentary etc., V. 7.

Q6:22 is *class number* where  
 Q = Religion;  
 Q6 = Christianity;  
 Q6:2 = Sacred books of Christia-  
 nity; and  
 Q6:22 = Holy Bible. (Old Testa-  
 ment).  
 C9.7 is *book number* where  
 C = 189—;  
 C9 = 1899; and  
 C9.7 = Seventh volume of a book  
 published in 1899.

Thus

Q6:22 C9.7 = Seventh volume of the  
 English edition of the  
 Holy Bible (Old Testa-  
 ment) published in  
 1899.

# CALL NUMBER

- (4) Q127:22 15G7.1 CHINNASWAMI SASTRI (A.),  
*etc. Eds.* Catapatha  
 Brahmana of the white  
 Yajurveda in the Madh-  
 yandina rescension.  
 Pt. 1.

- Q127:22 is *class number* where  
 Q = Religion;  
 Q1 = Vedic religion;  
 Q12 = Yajurvedic school;  
 Q127 = Madhyandina school;  
 Q127:2 = Sacred books of the Madh-  
 yandina school of Vedic  
 religion; and  
 Q127:22 = The Brahmana of the  
 Madhyandina school,  
*i.e.* Catapatha Brah-  
 mana.

- 15G7.1 is *book number* where  
 1 = Indo-European; and  
 15 = Sanskrit

And

- G = 193—;  
 G7 = 1937; and  
 G7.1 = First volume of a book  
 published in 1937.

Thus

- Q127:22 15G7.1 = The first volume of a  
 Sanskrit edition pub-  
 lished in 1937 of the  
 (Catapatha) Brahmana  
 of the Madhyandina  
 school of Vedic religion.

# CALL NUMBER

(5) S:50T G7 PHILLIPS (Margaret). Education of the emotions through sentiment development.

S:50T is *call number* where

S = Psychology;

S:5 = Emotions;

S:50 = Emotions from the point of view of; and

S:50T = Emotions from the point of educationists.

G7 is *book number* where

G = 193—; and

G7 = 1937.

Thus

S:50T G7 = An English book of 1937 on emotions expounded from the point view of educationists.

(6) SM95:5 G7 KLEIN (Melanie). Love, hate and reparation.

SM95:5 is *class number* where

S = Psychology;

SM95 = Psycho-analytic school of psychology i.e. A school of psychology originated in 1895 (M=18—; M9=189—; and M95=1895); and

SM95:5 = Emotions according to the psycho-analytic school.

G7 is *book number* where.

# CALL NUMBER

G =193—; and  
G7 =1937.

Thus

SM95:5 G7 =An English book published in 1937 and expounding the psychology of emotions according to the psycho-analytic school.

(7) V2:28tN23 F8 GREAT BRITAIN. ROYAL COMMISSION ON THE SUPERIOR CIVIL SERVICES IN INDIA. 1923. Report.

V2:28tN23 is *class number* where

V =History;

V2 =Indian history;

V2:2 =Constitutional history of India;

V2:28 =Administrative machinery in India;

V2:28t =Commission on administrative machinery of India; and

V2:28tN23 =Report of the Commission on administrative machinery of India appointed in 1923 (N=19—; N2=192—; and N23=1923).

F8 is *book number* where

F =192—; and

F8 =1923.



# CALL NUMBER

Thus

V2:28tN23 F8 = Report (in English language and published in 1928) of the commission on the administrative machinery of India appointed in 1923.

(8) V3:28tN17 E8 GREAT BRITAIN. MACHINERY OF GOVERNMENT COMMITTEE. 1917. Report.

V3:28tN17 is *class number* where

V = History;

V3 = British history;

V3:2 = Constitutional history of Great Britain;

V3:28 = Administrative machinery of Great Britain;

V3:28t = Committee on the administrative machinery of Great Britain; and

V3:28tN17 = Report of the Committee on the administrative machinery of Great Britain, appointed in 1917 (N=19—; N1=191—; and N17=1917).

E8 is *book number* where

E = 191—; and

E8 = 1918.

Thus

V3:28tN17 E8 = Report (in English language and published in 1918) of the committee on the administrative machinery of Great Britain appointed in 1917.



## Examples of Call Numbers

### 1 to 9 Generalia

The following are the chief divisions under which the books in the Generalia class are grouped:—

<b>1</b>	<b>Bibliography</b>
<b>12</b>	<b>Bibliography of manuscripts</b>
12:315	Sanskrit manuscripts
12:3164	Persian manuscripts
12:331	Tamil manuscripts
12:335	Telugu manuscripts
<b>14</b>	<b>Bibliography of printed books</b>
<b>2</b>	<b>Library science</b>
251	Classification
255	Cataloguing
2623	Library rules
27	Reference work
<b>3</b>	<b>Cyclopaedias</b>
<b>4</b>	<b>Societies</b>
<b>5</b>	<b>Periodicals</b>
5a	Lists of periodicals
502	Indiana periodicals
52	Indian periodicals
520	In Indian languages
52031	In Tamil
52:	In English
55	European periodicals
<b>61</b>	<b>Conferences</b>

64	Museums
7	Biographies
8	Directories
9	General works
98	Collections of theses

## 1 Bibliography

### 12 Bibliography of Manuscripts

#### 12:315 Sanskrit Manuscripts

SAHA (Amritlal Maganlal). *Ed.* Prasasti sangraha.

12:315 15G7

JOLLY (Julius). *Comp.* Die Sanskrit-handchriften,  
No. 287—413 der K-Hof-und Staatsbibliothek in  
Munchen.

12:315:J58 113E2

BRITISH MUSEUM. Catalogue of the Sanskrit mss. comp.  
by Cecil Bendall.

12:315:L57 D2

MAHARAJA'S PALACE LIBRARY. *Trivandrum*. A descrip-  
tive catalogue of the Sanskrit mss., ed. by  
K. Sambasiva Sastri. 2 V.

12:315:L70 G7.1—G7.2

GOVERNMENT ORIENTAL MANUSCRIPTS LIBRARY. *Madras*.  
Guide to the manuscript collections.

12:315:M47g G8

AUFRECHT (Theodor). *Comp.* Florentine Sanskrit manus-  
cripts.

12:315:M9 C2

CURATOR'S OFFICE LIBRARY. *Trivandrum*. A descriptive  
cat. of Sanskrit mss., ed. by K. Sambasiva Sastri.  
V. 1.

12:315:N12 G7.1

**12:3164 Persian Manuscripts**

LIBRARY OF THE INDIA OFFICE. Catalogue of Persian mss.  
[comp.] by Hermann Ethe. V. 2.

12:3164:M80 D3.2

**12:328 Arabic Manuscripts**

ORIENTAL PUBLIC LIBRARY. *Bankipore*. Catalogue of  
Arabic and Persian manuscripts. V. 22.

12:328:L91 F0.13

**12:331 Tamil Manuscripts**

GOVERNMENT ORIENTAL MANUSCRIPTS LIBRARY. *Madras*.  
Alphabetical index of Tamil mss., etc.

12:331:M47k G2

——— Triennial catalogue of manuscripts,  
Pt. 2. Tamil. V. 5. 1922|23 to 1924|25.

12:331:M47 G6

**12:333 Kanarese Manuscripts**

GOVERNMENT ORIENTAL MANUSCRIPTS LIBRARY. *Madras*.  
A descriptive catalogue of the Kanarese mss. by  
S. Kuppuswami Sastri. V. 1. 12:333:M47 G4.1

**12:335 Telugu Manuscripts**

GOVERNMENT ORIENTAL MANUSCRIPTS LIBRARY. *Madras*.  
Alphabetical index of Telugu mss., etc.

12:335:M47k G2

——— Descriptive catalogue of the Telugu  
mss. by M. Rangacharya and S. Kuppuswami  
Sastri. V. 3—5. 12:335:M47 E5.4—E5.6

——— Triennial catalogue of manuscripts,  
Pt. 3. Telugu. V. 4. 1921|22—

12:335:M47 G4

INDIA OFFICE LIBRARY. Catalogue of mss. in European languages. V. 2. Pt. 2. Minor collections and miscellaneous mss. [*comp.*] by George Rusby Kaye and Edward Hamilton Johnston.

12:43:M80 E6.4

WOLF (Edwin) II. *Comp.* Descriptive catalogue of the John Frederick Lewis collection of European mss. in the Free Library of Philadelphia, etc.

12:473:M91 G7

## 14 Bibliography of Printed Books

EMENEAU (M. B.). *Comp.* Union list of printed Indie texts and translations in American libraries.

14:315:73 G5

LIBRARY OF THE INDIA OFFICE. Catalogue. V. 2. Pt. 6. Persian books by A. J. Arberry.

14:3164:M80 G7

BRITISH MUSEUM LIBRARY. Subject index to the modern works added to the library. 1931—1935. 2 V.

14:43:L57 G7.1—G7.2

SEVERANCE (Henry O.). Survey of the resources of the University of Missouri library for research work.

14:473:M99g G7

SCHMECKEBIER (Laurence F.). Government publications and their use.

14:573 G6

KELLY (Clara J.). *Comp.* Publications of the University of Washington faculty. Nov. 4, 1816—Mar. 31, 1936.

14:573:M61 G7

## 2 Library Science

LIBRARY literature: an author and subject index-digest to current books, pamphlets and periodical literature relating to library profession. 1936—

2am73:N34

- REECE (Ernest J.). The curriculum in library schools.  
253 G6
- LIBRARY ASSOCIATION. *London*. Yearbook. 1938—  
213:M77n
- INDIAN LIBRARY ASSOCIATION. Directory of Indian  
libraries. 1938. 2n2:N38
- LIBRARY ASSOCIATION OF CHINA. Libraries in China :  
papers prepared on the occasion of the tenth  
anniversary of the Library Association of China.  
2u41:N3 G5
- BURTON (Margaret). Famous libraries of the world :  
their history, collections and administrations, etc.  
2v1:N3 G7
- WILSON (Louis R.). *Ed.* Library trends: papers pre-  
sented before the library institute at the University  
of Chicago, Aug. 3—15, 1936. 2z7 G7
- BROWN (James Duff). Manual of library economy, ed.  
by W. C. Berwick Sayers. 2 G7
- DAVIES (W. Ll.). The National library of Wales: a sur-  
vey of its history, its contents, and its activities.  
2:1h32:N09vN3 G7
- ANDERSON (Ellen L.). *Comp.* Housing and equipment  
of school libraries. 21:31a G7
- WELLARD (James Howard). Book selection: its principles  
and practice, etc. 241 G7

## 251 Classification

- LIBRARY OF CONGRESS. Classification. Class S. Agricul-  
ture, plant and animal industry, fish culture and  
fisheries, hunting sports. 251qN04J F8
- Class P. Subclass PQ. Pt. 1. French  
literature. 251qN040122 G6

LIBRARY OF CONGRESS. Classification. Class P-PA. Philology, linguistic, classical philology, classical literature. PB-PH. Philology, modern European languages. PJ-PM. Languages and literature of Asia, Africa, Oceania, America; mixed languages, artificial languages. Index to languages and dialects in the volumes P-PA, PB-PH, and PJ-PM.

251qN04P F8.1—F8.4

————— Class B. Pt. 2. BL-BX. Religion.

251qN04Q F7

————— Class L. Education.

251qN04T F9

————— Class G. Geography, anthropology, folklore, manners and customs, sports and games.

251qN04U F8

————— Class D. Universal and old world history. D 501—725. European war.

251qN04V E6—1

DABAGH (Thomas S.). The mnemonic classification for law libraries.

251qN36Z G6

PHILLIPS (W. Howard). Primer of book classification.

251 G8

## 255 Cataloguing

BISHOP (William Warner). Practical handbook of modern library cataloguing.

255 F7

SHARP (Henry A.). Cataloguing.

255 G7

AMERICAN LIBRARY ASSOCIATION, *etc.* Catalog rules: author and title entries.

25511qN07 D8

## 2623 Library Rules

INDIA. IMPERIAL RECORD (—department). Rules regulating the access of the public to (i) the records of His Majesty's representative for the exercise of the



functions of the Crown in its relations with Indian States, and (ii) such records relating to British India and tribal areas as are inseparably mixed up with (i) and the records of the Government of India in the custody of the Imperial Record Department. 2623:8 G7

## 27 Reference Work

McCOLVIN (Lionel R.), *etc.* Library stock and assistance to readers. 27 G6

COWLEY (J. D.). The use of reference material: an introd. manual for librarianship students and assistants. 27 G7

## 3 Cyclopaedias

ENCYCLOPAEDIA Britannica: book of the year, *etc.* 1938.  
33:L68 F9.24—1

AUGE (Claude), *etc.* Eds. Nouveau petit Larousse illustre dictionnaire encyclopedique.  
353:M97 122G8

## 4 Societies

LEAGUE OF NATIONS. Handbook of international organisations, associations, bureaux, committees, *etc.* 1937.  
41nN21 G8

——— INFORMATION SECTION. Intellectual co-operation.  
41:N22vN3 G7

## 5 Periodicals

### 5a Lists of Periodicals

UNIVERSITY OF RANGOON. LIBRARY COMMITTEE. *Comp.*  
A catalogue of periodicals in the university and other libraries of Rangoon with subject index.  
5a4:8438 G7

**502 Indiana Periodicals**

- INDIAN. V. 1—4. 1934—1937. 502:3:N34  
 CEYLON literary register. Series 3. V. 1—4. 1931—  
 1935|36. 50298:298:N16

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KONINKLIJK BATAVIAASCH GENOOTSCHAP VAN KUNSTEN EN  
 WETENSCHAPPEN. Verhandelingen. D. 73— 1937—  
 50436:436:L783

ROYAL ASIATIC SOCIETY. MALAYAN BRANCH. Journal.  
 V. 14— 1936— 50436:436:M78

**52 Indian Periodicals****520 In Indian Languages**

- ORIENTAL college magazine. *Lahore*. V. 9— 1932|33—  
 520152:N25  
 ———. *Lahore*. Urdu section. V. 9— 1932|33—  
 520168:N25

**52031 In Tamil**

- JNANA sagaram. V. 16—17. 1932|34—1934|36.  
 52031:N03  
 VINOTHAN. V. 4—5. 1936—1937. 52031:N33  


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 VINOTHINI. V. 4— 1936— 52035:N33

**52: In English**

- PROGRESSIVE India. V. 1— 1935— 52:N352  
 ILLUSTRATED India. Nos. 7, 9—33. 1935|36.  
 52:N353  
 INDIA. PUBLIC INFORMATION (Director of—). Informa-  
 tion series. V. 1— 1937— 52:N37  
 HINDU herald. V. 1— 1936|37— 52:N371

SIR M. Ct. Muthiah Chettiar high school magazine,  
Madras. V. 2— 1937|38— 521:N37

JYOTHI. V. 1— 1937|38— 5438:N38

### 55 European Periodicals

ANNALES de l'universite' de Paris. A. 11—12. 1936—  
1937. 553:N26

RESEARCH and progress: quarterly review of German  
science. V. 1—3. 1935—1937. 555:N35

### 61 Conferences

ORIENTAL CONFERENCE. *India*. 2. *Calcutta*. 1922.  
Proceedings and transactions. 612:N19 F3  
*Continued as*

INDIAN ORIENTAL CONFERENCE. 5. *Lahore*. 1928. Pro-  
ceedings and transactions. 2 V.  
612:N19 G0.1—G0.2

### 64 Museums

MARKHAM (S. F.), *etc.* The museums of India.  
642 G6

### 7 Biographies (General)

BRITT (Albert). Great biographers. 7v1:N3 G6

BHARATA. Bharatiya mahapurusharu, ed. by P. G.  
Halakatti. 72:M6 33G3

DOBREE (Bonamy). *Ed.* From Anne to Victoria: essays  
by various hands. 73:L9 G7

IKBAL ALI SHAH. Controlling minds of Asia.  
74:M7 G7

CHURCHILL (Winston S.). Great contemporaries.  
75:M5 G7

VENKATANANDAM (G.). Prapancha virulu.

75:M7 35G8

EINSTEIN (Lewis). Divided loyalties : Americans in  
England during the War of Independence.

773:L4 G3

### 8 Directories

MADRAS states and Mysore directory. V. 11— 1937—

82102:N27

### 9 General Works

JACKS (L. P.). My American friends. 9xM60 G3

JINARAJADASA (C.). The heritage of our fathers: essays  
on Indian ideals. 9xM85 E8

KERN (Hendrik). Verspreide geschriften, onder zijn To-  
ezicht verzameld. 17 D.

904xM33 E3.1—E3.17

### 98 Theses

UNIVERSITY OF WASHINGTON. Abstracts of theses and  
faculty bibliography. 1932|37. 9873:M61 G7

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## A Science (General)

### A:P Scientific Terms

CHENNAI MAHANAT TAMILSANGAM. Kalaich chorkal.

A:P31k 31G8—G82

NARAYANAN (M.), *etc.* English-Malayalam sanketika  
nighandu. A:P32k 32G8

## **B Mathematics**

The following are the chief divisions under which the books in Mathematics are grouped:—

<b>Bw</b>	<b>Biographies</b>
<b>Bx</b>	<b>Collected works</b>
<b>B</b>	<b>General books</b>
<b>B0</b>	<b>From special points of view</b>
<b>B:R1</b>	<b>Mathematical logic</b>
<b>B13</b>	<b>Theory of numbers</b>
<b>B2</b>	<b>Algebra</b>
<b>B27</b>	<b>Theory of groups</b>
<b>B28</b>	<b>Theory of statistics</b>
<b>B280J</b>	<b>For agriculturists</b>
<b>B281</b>	<b>Theory of probability</b>
<b>B285</b>	<b>Correlation</b>
<b>B3</b>	<b>Analysis</b>
<b>B31</b>	<b>Foundations</b>
<b>B335</b>	<b>Integral equations</b>
<b>B369</b>	<b>Divergent series</b>
<b>B36M22</b>	<b>Fourier's series</b>
<b>B36M39</b>	<b>Dirichlet's series</b>
<b>B37</b>	<b>Real variable</b>
<b>B38</b>	<b>Complex variable</b>
<b>B381:6</b>	<b>Conformal representation</b>
<b>B39</b>	<b>Special functions</b>

B42	Calculus of variations
B43	Calculus of functions
B48	Operational calculus
B53	Spherical trigonometry
<b>B6</b>	<b>Geometry</b>
B62	Plane geometry
B63	Solid geometry
B64	Four dimensions
B69	Non-Euclidean geometries
<b>B71:2</b>	<b>Dynamics</b>
B75	Hydromechanics
B82	Attractions and potentials
<b>B9</b>	<b>Astronomy</b>
B9x	Collected works
B93	Sun
B96	Stars

**Bw Biographies**

SULLIVAN (J. W. N.). Isaac Newton, 1642—1727, with  
a memoir of the author by Charles Singer.

BwK42 G8

BELL (E. T.). Men of mathematics.

BwM5 G7

**Bx Collected Works**

SRIPATI. Ganitatilaka, with the comm. of Simhatilaka  
Suri, ed. by H. R. Kapadia. BzD96 15G7

BHASKARACARYA. Lilavati, ed. by Dattatreya Vishnu  
Apte. BzF14 15G7.1—G7.2

GALILEI (Galileo). Le opera. V. 19. BxJ64 12F9.20

HUMBERT (Georges). Oeuvres, ed. by Pierre Humbert  
et de Gaston Julia. T. 2. BxM59 122F9.2

NARASINGA RAO (A.). Ramaswami Aiyar's notebooks.  
BxM71:9 G7

## B General Books

HOBGEN (Lancelot). Mathematics for the million: a  
popular self-educator, etc. B G7

COOLEY (Hollis R.), *etc.* Introd. to mathematics: a survey  
emphasizing mathematical ideas and their relations  
to other fields of knowledge. B G71

## B0 From Special Points of View

COURANT (R.), *etc.* Methoden der mathematischen  
Physik. 2 B. B0C 113G1.1 & 113F4.2

ALLEN (R. G. D.). Mathematical analysis for econo-  
mists. B0X G8

## B:R1 Mathematical Logic

CARNAP (Rudolf). The logical syntax of language, tr. by  
Amethe Smeaton (Countess von Zeppelin).

B:R1 G7

LANGER (Susanne K.). Introd. to symbolic logic.

B:R1 G71

TARSKI (Alfred). Einführung in die mathematische  
Logik und in die Methodologie der Mathematik.

B:R1 113G7

## B13 Theory of Numbers

PSENNER (Ing. Wilhelm). Allgemeiner Beweis des  
grossen fermatischen Satzes. B13:5K37 113G8

KAVAN (George). Factor tables giving the complete decomposition into prime factors of all numbers upto 256,000, etc. B132:1e G7

LANDAU (Edmund). *Über einige neuere Fortschritte der additiven Zahlen Theorie.* B135:5 113G7

## B2 Algebra

LEVI (Friedrich Wilhelm). *Algebra.* Pts. 2—5 in 2 V. B2 G6.2—G6.3

## B27 Theory of Groups

CARMICHAEL (Robert D.). *Introd. to the theory of groups of finite order.* B271 G7

## B28 Theory of Statistics

ANNALS of mathematical statistics. V. 8— 1937— B28m73:N30

STAMP (Josiah). *The national capital and other statistical studies.* B28z7 G7

DAVENPORT (C. B.), *etc.* *Statistical methods in biology, medicine and psychology.* B28 G6

YULE (G. Udny), *etc.* *Introd. to the theory of statistics.* B28 G71

WHITTAKER (E. T.), *etc.* *Calculus of observations: a treatise on numerical mathematics.* B28 G72

## B280J For Agriculturists

LOVE (Harry H.). *Application of statistical methods to agricultural research.* B280J G61

YATES (F.). *The design and analysis of factorial experiments.* B280J G7

SNEDECOR (George W.). *Statistical methods, applied to experiments in agriculture and biology.* B280J G8



**B281 Theory of Probability**

FISHER (Arne). Mathematical theory of probabilities and its application to frequency curves and statistical methods, tr. by Charlotte Dickson and William Bonyng, etc. V. 1. B281 G61.1

CRAMER (Harold). Random variables and probability distributions. B281 G7

MONTGOMERY (J. K.). The mathematical problem of the price index. B284 G7

**B285 Correlation**

EZEKIEL (Mordecai). Methods of correlation analysis. B285 G0

**B3 Analysis**

FITE (W. Benjamin). Advanced calculus. B3 G8

**B31 Foundations**

LUSIN (Nicolas). Lecons sur les ensembles analytiques et leurs applications, avec une note de M. Sierpinski, etc. B313 122G0

SEIFERT (H.), etc. Lehrbuch der Topologie. B316 113G4

STOILLOW (S.). Lecons sur les principes topologiques de la theorie des fonctions analytiques, etc. B316 122G8

**B335 Integral Equations**

LICHTENSTEIN (Leon). Vorlesungen uber einige Klassen nichtlinearer Integralgleichungen und Integrodifferentialgleichungen. B335 113G1

**B369 Divergent Series**

MOORE (Charles N.). Summable series and convergence factors, etc. B369 G8

KARAMATA (J.). Sur les theoremes inverses des procedes de sommabilite. B369 122G7

**B36M22 Fourier's Series**

TITCHMARSH (E. C.). Introd. to the theory of Fourier integrals. B36M22 G7

**B36M39 Dirichlet's Series**

BERNSTEIN (Vladimir). Lecons sur les progres recents de la theorie des series de Dirichlet, etc. B36M39 122G3

**B37 Real Variable**

KESTELMAN (H.). Modern theories of integration. B37:1N02 G7

HOBSON (E. W.). Theory of functions of a real variable and the theory of Fourier's series. 2 V. B371 F71.1—F71.2

NEVANLINNA (Rolf). Eindeutige analytische Funktionen. B371 113G6

**B38 Complex Variable**

MONTÉL (Paul). Lecons sur les fonctions univalentes ou multivalentes ... recueillies et redigees par F. Marty avec une note de Henri Cartan. B38:5 122G3

BOURION (Georges). L'ultraconvergence dans les series de Taylor. B381:3 122G7

FORD (Walter B.). The asymptotic developments of functions defined by Maclaurin series. B381:4 G6

**B381:6 Conformal Representation**

CARATHEODORY (C.). Conformal representation, tr. by B. M. Wilson and Margaret Kennedy. B381:6 G2

JULIA (Gaston). Lecons sur la representation conforme des aires simplement connexes. B381:6 122G1

——— Lecons sur la representation conforme des aires multiplement connexes, ed. by Georges Bourion et Jean Leray. B381:6 122G41

### B39 Special Functions

FERIET (J. Kampe de). La fonction hypergeometrique. B396M12 122G7

GONTCHAROFF (W.). Determination des fonctions entieres par interpolation. B396M31 122G7

NEVANLINNA (Rolf). Theoreme de Picard-Borel et la theorie des fonctions meromorphes. B399M42 122F92

SINGH (A. N.). The theory and construction of non-differentiable functions. B399M75 G5

MANDELBROJT (S.). Series de Fourier et classes quasi-analytiques de fonctions, etc. B399N17 122G5

### B42 Calculus of Variations

CARATHEODORY (Constantin). Variationsrechnung und partielle Differentialgleichungen erster Ordnung. B42 113G5

### B43 Calculus of Functions

VOLTERRA (Vito), *etc.* Theorie generale des fonctionnelles. T. 1. Generalites sur les fonctionnelles theorie des equations integrales. B43 122G6.1

### B48 Operational Calculus

DAVIS (Harold T.). The theory of linear operators, from the standpoint of differential equations of infinite order. B48 G6

VOLTERRA (Vito), *etc.* Operations infinitesimales lineaires: applications aux equations differentielles et fonctionnelles. B48 122G8

**B53 Spherical Trigonometry**

JHA (Nilambara). Gola-prakasa or a work on spheric.  
corr. and ed. by Bapudeva Sastri. B53 15A

**B6 Geometry**

MORRIS (Max), *etc.* Analytic geometry and calculus.  
B6:23 G7

WIRTINGER (Wihelm). Allgemeine Infinitesimalgeometrie  
*etc.* B6:32 113F6

**B62 Plane Geometry**

O'HARA (C. W.), *etc.* An introd. to projective geometry.  
B622:7 G7

DELVENDAHL (Otto). Über Kurven von Beschränkter  
Ordnung. B627 113G8

**B63 Solid Geometry**

MAHAJANI (G. S.). The application of moving axis  
methods to the geometry of curves and surfaces.  
B63:34 G7

NARASINGA RAO (A.). On the contact of varieties in  
 $n$ -space. B636 G6

**B64 Four Dimensions**

HINTON (C. Howard). The fourth dimension. B64 G4

TELLING (H. G.). The rational quartic curve in space of  
three and four dimensions, being an introd. to  
rational curves. B64 G6

**B69 Non-Euclidean Geometries**

SCHILLING (Friedrich). Pseudosphärische hyperbolisch-  
sphärische und elliptisch-sphärische Geometrie.  
B69 113G7

WEATHERBURN (C. E.). Introd. to Riemannian geometry  
and the tensor calculus. B692:463 G8

LAMB (Horace). Statics, including hydrostatics and the elements of the theory of elasticity. B7:3 F8

### **B71:2 Dynamics**

LAMB (Horace). Dynamics. B71:2 F9

WHITTAKER (E. T.). Treatise on the analytical dynamics of particles and rigid bodies, with an introd. to the problem of three bodies. B71:2 G7

### **B75 Hydromechanics**

VILLEY (Jean). Proprietes generales des fluides moteurs. B75:2 122G6

JONES (Bradley). Elements of practical aerodynamics. B78:2 G6

ERTEL (H.). Methoden und Probleme der dynamischen Meteorologie. B78:2 113G8

### **B82 Attractions and Potentials**

GUNTHER (N. M.). La theorie du potential et ses applications aux problemes fondamentaux de la physique mathematique. B82 122G4

### **B9 Astronomy**

ROYAL ASTRONOMICAL SOCIETY. Monthly notices: Geophysical supplement. V. 1—4. 1922—1937. B9m3:M201

SWAMIKANNU PILLAI (L. D.). Indian ephemeris, showing the daily solar and lunar reckoning according to the principal systems current in India with their English equivalents also the ending moments of tithis and nakshatras and the years in different eras, A.D. Hijra, Saka, Vikrama, Kaliyuga, Kollam, etc. with a perpetual planetary almanac and other auxiliary tables. V. 7. 1800—1999.

B9n2 F2,8

ROYAL OBSERVATORY. *Greenwich*. Observations. 1925.

B9r3 F7

——— Astronomical results from observations. 1925.

B9r3:1 F7

WATERFIELD (Reginald L.). Hundred years of astronomy.

B9v1:N3 G8

### B9x Collected Works

ARYABHATTA II. Mahasiddhanta: a treatise on astronomy ed. with his own comm. by Sudhakara Dvivedi.

B9xE50 15E0

BHASKARACHARYA. Siddhanta siromani, ed. with the comm. Prabha, Bhashabhashya, Upapatti by Girijaprasad Dvivedi. 2 V.

B9xF14 152E1.1—E1.2

JHA (Buddhi Nath). Tippanivivaranam: a comm. on the Goladhyaya of the Siddhanta Siromani.

B9xF14:9 15E2

KEPLER (Johannes). Das weltgeheimnis mysterium cosmographicum, ubersetzt... von Mar Caspar.

B9xJ71 113G6

BHATTA KAMALAKARA. Siddhanta-tattva-viveka: a treatise on astronomy, with Seshavasana by the same author, with notes by Sudhakara Dvivedi, ed. with his own notes by Muralidhara Jha ... criticisms on Seshavasana by Muralidhara Thakur.

B9xK16 15G5

KETKAR (V. B.). Jyotirganitam, ed. by D. V. Ketkar.

B9xM50 15G7—G72

GUNTHER (R. T.). Early science in Oxford. V. 5.

Chaucer and Messahalla on the astrolabe.

B9:2xH40 F9

VISVESVARA DATTA. Gola tattva prakasika with Hindi comm.

B9:5 152F7

B9:57

## SUN AND STARS

DYSON (Frank), *etc.* Eclipses of the sun and moon.

B9:57 G7

INDIA. SURVEY (Department of—). Tide-tables of the  
Indian ocean. 1938—

B9:78n91:M80

HUBBLE (Edwin P.). Our sample of the universe, *etc.*

B9:8 G7

### B93 Sun

MITCHELL (S. A.). Eclipses of the sun.

B93:57 G5

### B96 Stars

FABRY (Ch.). Les principes de la photometrie en astro-  
nomie et en physique.

B96:652 122G4

HUBBLE (Edwin). The realm of the nebulae.

B964:6 G6

BOK (Bart J.). The distribution of the stars in space.

B964:8 G7

## C Physics

The following are the chief divisions under which the books in Physics are grouped:—

<i>Cw</i>	Biographies
<i>Cx</i>	Collected works
<b>C2</b>	<b>Properties of matter</b>
C21:5	Elasticity of solids
C216	Crystals
C285:9	Application of molecular rays
 C3	 Sound
C4	Heat
C47	Thermodynamics
<b>C5</b>	<b>Light. Radiation</b>
C56:3	Spectra of infra-red rays
C6	Electricity
C7	Magnetism
 C8	 Hypothesis about matter, energy, space and time
C82N26	Wave mechanics
C83	Hypotheses about matter.
C84N015:3	Spectra in quantum theory
C8N05	Theory of relativity

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ROLT (F. H.). Gauges and fine measurements, with  
introd. note by J. E. Sears, Jr., ed. by R. T.  
Glazebrook. 2 V. Ce F9.1—F9.2

WELD (Le Roy D.). *Comp. and ed.* Glossary of physics.  
Ck G7

EINSTEIN (Albert), *etc.* Evolution of physics: the growth  
of ideas from the early concepts to relativity and  
quanta. Cv1:N2 G8



**Cw Biographies**

GUNTHER (R. T.). Early science in Oxford. V. 10.  
Life and work of Robert Hooke. Pt. 4. Tract on  
capillary attraction, 1661, diary, 1688 to 1693.

CwK35 G0.4

THOMSON (J. J.). Recollections and reflections.

CwM56 G6

CURIE (Eve). Madame Curie, tr. by Vincent Sheean.

CwM67 G8

**Cx Collected Works**

SWEDENBORG (Emanuel). The minor principia or the  
first principles of natural things deduced from  
experiments and geometry or a posteriori and a  
priori, tr. by Isaiah Tansley.

CxK88 E3

TANSLEY (Isaiah). Introd. to the "Principia" of  
Emanuel Swedenborg, etc.

CxK88:9 E2

DONNAN (F. G.), *etc.* *Eds.* A comm. on the scientific  
writings of J. Willard Gibbs. 2 V.

CxM39:9 G6.1—G6.2

LORENTZ (H. A.). Collected papers. V. 5—6.

CxM53 G4.5—G4.6

BALANKESWARA ROW (A.). *Comp.* Telugu equivalents  
of technical terms in physics.

C:P35k 35G8

WATSON (W. H.). On understanding physics.

C:R1 G8

**C2 Properties of Matter**

TRILLAT (Jean J.). Momentsélectriques, adsorption et  
lubrification.

C2:80C6 122G8

**C21:5 Elasticity of Solids**

SUDRIA (J.). L'action euclidienne de deformation et de  
mouvement.

C21:5 122G5

GEIRINGER (Hilda). Fondements mathematiques de la theorie des corps plastiques isotropes.

C21:5 122G7

### C216 Crystals

MOREAU (Georges). Les deformations elastiques et plastiques des reseaux cristallins. C216:5 122G7

LEHMANN (O.). Flussige Kristalle sowie Plastizitat von Kristallen etc. C216:55 113D4

BRAGG (W. L.). Atomic structure of minerals.

C216:8 G7

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ADAM (Neil Kensington). Physics and chemistry of surfaces. C25:6 G8

### C285:9 Application of Molecular Rays

FRASER (R. G. J.). Molecular beams. C285:9 G7

### C3 Sound

JONES (Arthur Taber). Sound. C3 G7

### C4 Heat

ZEMANSKY (Mark W.). Heat and thermodynamics, etc. C4 G7

RUHEMANN (M.), *etc.* Low temperature physics. C421 G7

### C47 Thermodynamics

FERMI (Enrico). Thermodynamics. C47 G8

LANDAU (L.), *etc.* Statistical physics, tr. by D. Shoenberg. C47 G81

VILLEY (Jean). Les principes des moteurs thermiques, etc. C47 122G5

—— Le rendement des moteurs thermiques. C47 122G6

LICHTY (Lester C.). Thermodynamics: the principles of thermodynamics and their application to engineering processes. C470D G6

YOUNG (Vincent W.), *etc.* Elementary engineering thermodynamics. C470D G61

### C5 Light. Radiation

OPTICAL SOCIETY OF AMERICA. Journal. Cumulative index. V. 1—25. 1917—1935.

C5m73:N16a G8

MONK (George S.). Light: principles and experiments. C5 G7

JENKINS (Francis A.), *etc.* Fundamentals of physical optics. C5:1 G7

SYNGE (J. L.). Geometrical optics: an introd. to Hamilton's method. C5:1 G71

FORSYTHE (W. E.). *Ed.* Measurement of radiant energy, *etc.* C5:2 G7

### C56:3 Spectra of Infra-Red Rays

SUTHERLAND (G. B. B. M.). Infra-red and Raman spectra. C56:3 G5

### C6 Electricity

PIDDUCK (F. B.). Lectures on the mathematical theory of electricity. C6 G7

HENRIOT (E.). Les couples de radiation et les moments electromagnetiques. C6:8 122G6

### C7 Magnetism

FOEX (G.). Les lois experimentales du paramagnetisme. C73 122G5

BITTER (Francis). Introd. to ferromagnetism. C74 G7

**C8 Hypothesis about Matter, Energy,  
Space, and Time**

REICHINSTEIN (David). Albert Einstein: a picture of his life and his conception of the world, tr. by M. Juers and D. Sigmund. C8wM79 G4

WEIL (E.). *Comp.* Albert Einstein: a bibliography of his scientific papers, 1901—1903.

C8xM79a G7

INFELD (Leopold). The world in modern science: matter and quanta, tr. by Louis Infeld, etc. C8 G4

**C82N26 Wave Mechanics**

EDDINGTON (Arthur). Relativity theory of protons and electrons. C82N26 G61

FEATHER (N.). Introd. to nuclear physics.

C82N26 G62

LANDE (Alfred). Principles of quantum mechanics.

C82N26 G7

KEMBLE (Edwin C.). Fundamental principles of quantum mechanics with elementary applications.

C82N26 G71

SWIRLES (Bertha). Construction of zero order wave functions for complex atoms. C82N26 G8

DUSHMAN (Saul). Elements of quantum mechanics.

C82N26 G81

VON KRBEK (Franz). Grundlagen der Quantenmechanik und ihre Mathematik. C82N26 113G6

FROHLICH (Herbert). Elektronen Theorie der Metalle.

C82N26 113G61

BUHL (A.). Analogies corpusculaires et ondulatoires.

C82N26 122G71

WEYL (Hermann). The theory of groups and quantum mechanics, tr. by H. P. Robertson.

C82N260B27 G1

**C83 Hypotheses about Matter**

KENNARD (Earle H.). Kinetic theory of gases with an  
introd. to statistical mechanics. C83M57 G8

YATES (Raymond F.). These amazing electrons.  
C83M95 G7

CLARK (C. H. Douglas). A comprehensive treatise of  
atomic and molecular structure. V. 1. The  
electronic structure and properties of matter: an  
introd. study of certain properties of matter in the  
light of atomic numbers. C83M950E G4

RUTHERFORD (*Lord*). The newer alchemy, based on the  
Henry Sidgwick memorial lecture delivered at  
Newnham College, Cambridge, Nov. 1936.  
C83M96 G7

RASETTI (Franco). Elements of nuclearphysics.  
C83M96 G71

GAMOW (G.). Structure of atomic nuclei and nuclear  
transformations. (*Previously published as*  
*Constitution of atomic nuclei and radio activity*).  
C83M96 G72

**C84N015:3 Spectra in Quantum Theory**

CANDLER (A. C.). Atomic spectra and the vector model.  
2 V. C84N015:3 G7.1—G7.2

HERZBERG (Gerhard). Atomic spectra and atomic struc-  
ture, tr. ..., by J. W. T. Spinks.  
C84N015:3 G71

**C8N05 Theory of Relativity**

McVITTIE (G. C.). Cosmological theory. C8N05 G7

SHABDE (N. G.). General field theory of Schouten and  
van Dantzig. C8N05 G8

## **D Engineering**

The following are the chief divisions under which the books in Engineering are grouped:—

<b>D::11</b>	<b>Structural mechanics</b>
<b>D1</b>	<b>Buildings</b>
<b>D11</b>	<b>Wood</b>
<b>D16</b>	<b>Concrete</b>
<b>D18</b>	<b>Metals</b>
<b>D2</b>	<b>Irrigation</b>
<b>D4153:5</b>	<b>Curves in railways</b>
<b>D416</b>	<b>Bridge engineering</b>
<b>D6</b>	<b>Mechanical engineering</b>
<b>D64:C47</b>	<b>Thermodynamics of heat-engines</b>
<b>D646</b>	<b>Internal combustion engines</b>
<b>D6466</b>	<b>Diesel engines</b>
<b>D66</b>	<b>Electrical engineering</b>
<b>D66:2</b>	<b>Transmission</b>
<b>D666</b>	<b>Wireless</b>
<b>D666:45</b>	<b>Television</b>
<b>D666:48</b>	<b>Radio-telephony</b>
<b>D8</b>	<b>Sanitary engineering</b>
<b>D85</b>	<b>Water supply</b>
<b>D866</b>	<b>Sewage disposal</b>

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DEMAG news. Complete Index. 1927—1937.

Dm55:N27a G8

### **D::11 Structural Mechanics**

JENSEN (Alfred). Moment equations: a method of analysis for continuous beams and rigid frames.

D::11 G7

BISHOP (Carlton Thomas). Structural design.

D::11 G8

MILLER (Alfred Lawrence). The solution of rigid frames of members of constant section by the theorem of joint translation.

D::113 G6

BREED (Charles B.), *etc.* The principles and practice of surveying. V. 2.

D::2 G1.2

MOORE (Herbert F.). Textbook of the materials of engineering, with a chap. on concrete by Harrison F. Gonnerman and a chap. on the crystalline structure of metals by Jasper O. Draffin.

D::3 G6

### D1 Buildings

MITCHELL (Charles F.). Building construction and drawing ... rev. by George A. Mitchell, *etc.*

D1 G4; G6

MOYER (James A.), *etc.* Air conditioning.

D1:9 G3

DALZELL (J. Ralph), *etc.* Air conditioning: insulation: treats of the principles and applications of insulation as used to retard heat losses and gains and to guard against fire, sound, vibration, condensation and termites in buildings.

D1:9 G7

WILSON (George Samuel), *etc.* Evaporative and surface cooling.

D1:94 G7

UNITED STATES. STANDARDS (National bureau of—). Code for protection against lightning.

D1:95g73 G7

### D11 Wood

KAMESAM (S.). Special factors affecting timber design.

D11 G7

——— Wood versus steel for framed buildings.

D110D18 G7

- KAMESAM (S.). How to build fire-resistant timber structures. D110E2131 G7
- Truth about fire hazard in timber structures. D110E2131 G71
- How to build wooden earthquake and storm proof houses. D110H4132 G7
- Treated timber for earthquake resistant structures. D110H4132 G71
- Wood's challenge to steel and concrete. D11::32 G7
- Relative economy of wood, steel and concrete structures. D11::6 G7
- Treated wood for flooring. D11:3 G7
- Treated wood for walls and ceilings. D11:41 G7
- Treated wood poles for electric distribution and service. D11:450D66:5:4 G7
- Relative cost of treated electric poles and overhead construction in India and abroad. D11:450D66:5:4 G71
- Treated wood for roof trusses. D11:61 G7
- Cheaper and better gable roofing with wood shingles. D11:63 G7
- Better and cheaper fencing. D11:995:6 G7
- 
- HENNES (Robert Graham). Analysis and control of landslides. D12::11 G6

### D16 Concrete

- PROBST (E.). Principles of plain and re-inforced concrete construction. D16::11 G6
- MANNING (G. P.). Reinforced concrete design. D16::4 G6



**D18 Metals**

GRINTER (Linton E.). Theory of modern steel structures. 2 V. D18::11 G6.1—G6.2

TAPSELL (H. J.). Creep of metals. D18::32:C4 G1

**D2 Irrigation**

INDIA. LABOUR (Department of—). Irrigation in India: review. 1933|36. D2r2 G8

UNITED PROVINCES. PUBLIC WORKS (—dept.). IRRIGATION BRANCH. Administration report. D2r252

HOYT (W. G.), *etc.* Studies of relations of rainfall and run-off in the United States.

D260U2855u73 G6

JARVIS (Clarence S.), *etc.* Floods in the United States: magnitude and frequency. D26::155u73 G6

CANTRILL (T. C.). Coal mining. D3551 E4

**D4153:5 Curves in Railways**

SIMS (A. M.). Wear of rails on curves and check-rail clearances required on curves of 4° and sharper. D4153:5 G7

PROCTER (E.). The determination of the permissible speeds on curves. D4153:5 G71

MARTIN (R. H.). Report on investigation into modern methods of introducing transition curves economically into existing lines of railway.

D4153:5 G72

**D416 Bridge Engineering**

SPOFFORD (Charles M.). The theory of continuous structures and arches. D416::117 G7

KAMESAM (S.). Treated timber bridges for Indian highways and railways. D4161 G7

**D6 Mechanical Engineering**

ALLEN (T.). Uniflow, back-pressures and steam extraction engines: a complete treatise for designers, works engineers and students. D6:11:4 G1

ATHERTON (William H.). Conveying machinery. D6:73 G7

HAM (C. W.), *etc.* Mechanics of machinery. D62:B7 G8

**D64:C47 Thermodynamics of Heat Engines**

LEWITT (E. H.). Thermodynamics applied to heat engines: a textbook covering the syllabuses of the B.Sc. (Eng.) and I. Mech. E. examinations in the subject. D64:C47 G7

MANCHESTER STEAM USERS' ASSOCIATION. Memorandum by the Chief Engineer. 1907—1930. D641m3:M54

**D646 Internal Combustion Engines**

PYE (D. R.). Internal combustion engine. 2 V. D646 G4.1—G4.2

JUDGE (Arthur W.). Automobile and aircraft engines. D646 G6

YOUNG (S. J.), *etc.* The testing of internal combustion engines. D646:::81 G6

RICARDO (Harry R.). Engines of high output: thermodynamic considerations. D646:C47 F9

**D6466 Diesel Engines**

ADAMS (Orville). Elements of diesel engineering, *etc.* D6466 G6

PURDAY (H. F. P.). Diesel engine design. D6466 G7

JUDGE (Arthur W.). High speed diesel engines, with sp.  
ref. to automobile and aircraft types, etc.

D6466 G71

### D66 Electrical Engineering

LAWS (Frank A.). Electrical measurements.

D66e G8

PENDER (Harold), *etc. Eds.* Electrical engineers' hand-  
book. V. 4. Electric power.

D66g G6

ELECTRICAL review: trade names supplement. 1932|1936—

D66m3:M721

TAYLOR (E. Openshaw). Utilisation of electric energy.

D66 G7

HORWOOD (W. L.). Electrical technology.

D66 G71

MAGNUSSON (Carl Edward). Hydroelectric power in  
Washington. Pt. 4. Regional electric-power trans-  
mission, the Grid system.

D66:1135u7311 F4.4

### D66:2 Transmission

SMITH (George Sherman). Transmission line design.  
Pt. 1. Mechanical features. Sec. B. Mechanical  
design of spans with supports at unequal elevation.

D66:2 G6.2

COTTON (H.). The transmission and distribution of  
electrical energy.

D66:2 G7

WOODRUFF (L. F.). Principles of electric power trans-  
mission.

D66:2 G8

ROBINSON (D. M.). Dielectric phenomena in high voltage  
cables, etc.

D66:31:C63 G6

PENDER (Harold), *etc. Eds.* Electrical engineers' hand-  
book. V. 5. Electric communication and elec-  
tronics.

D66:4g G6

MEARES (J. W.). The law relating to electrical energy in India and Burma, being the Indian electricity act, 1910, act IX of 1910; in Burma, the electricity act, etc. D66:Z2 G7

WEINBACH (M. P.). Alternating current circuits. D664 G3

SAY (M. G.), *etc.* The performance and design of alternating current machines: transformers, three-phase induction motors and synchronous machines. D664 G6

LANGSDORF (Alexander S.). Theory of alternating-current machinery. D664 G7

### D666 Wireless

PALMER (L. S.). Wireless engineering. (*Previously published as* Wireless principles and practice). D666 G6

McARTHUR (E. D.). Electronics and electron tubes. D666:33 G6

EASTMAN (Austin V.). Fundamentals of vacuum tubes. D666:33 G7

MOYER (James A.), *etc.* Radio receiving and television tubes, including applications for distant control of industrial processes and precision measurements. D666:4 G6

### D666:45 Television

VON ARDENNE (Manfred). Television reception: a construction and operation of a cathode ray tube receiver for the reception of ultra-short wave television broadcasting, tr. by O. S. Puckle. D666:45 G6

REYNER (J. H.). Television: theory and practice. D666:45 G7

MALOFF (I. G.), *etc.* Electron optics in television, with theory and application of television cathode ray tubes. D666:45 G8

MYERS (L. M.). Television optics: an introd. D666:45 G81

### D666:48 Radio-Telephony

GUTTON (C.). Lignes telephoniques. D666:48 122G4

HENDRIX (William Samuel). A project in the reception of cultural short wave broadcasts from Spanish America, with some attention to broadcasts from Europe. D666:485 G8

TERMAN (Frederick Emmons), *etc.* Fundamentals of radio. D666:485 G81

LITVINENKO (A. S.). Dictionary of radio terminology in the English, German and Russian languages, ed. by V. I. Bashenoff. D666:P4 G7

### D8 Sanitary Engineering

THEROUX (Frank R.), *etc.* Laboratory manual for chemical and bacterial analysis of water and sewage. D8:E3 G6

### D85 Water Supply

METROPOLITAN WATER BOARD. *London.* Annual report on the results of the chemical and bacteriological examination of the London waters. 29—31 1934—1936. D85:r3124

AMERICAN PUBLIC HEALTH ASSOCIATION, *etc.* Standard methods for the examination of water and sewage. D85:E G6

URBACH (Carl). Stufenphotometrische Trinkwasser-analyse. D85:E3 113G7

HASTINGS (Anna B.). Biology of water supply.

D85:G G7

WATER POLLUTION RESEARCH BOARD. *Great Britain.*

Survey of the river Tees. 3 pts.

D854u3:N3 G1.1—G1.3

RYAN (William J.). Water treatment and purification.

D855 G7

### **D866 Sewage Disposal**

FOLWELL (A. Prescott). Sewerage: the designing, constructing and maintaining of sewerage systems and sewage treatment plants.

D866 G6

## E Chemistry

The following are the chief divisions under which the books in Chemistry are grouped:—

E1:1	Inorganic chemistry
E1:5	Organic chemistry
<b>E2</b>	<b>Physical chemistry</b>
E2136	Ionisation
E22	Solutions
E235	Colloids
E3	Analytical chemistry
E4	Synthetic chemistry
<b>E7</b>	<b>Biochemistry</b>
E7:6	Biochemistry of carbohydrates.
E7:9	Biochemistry of biostances
E7:982	Biochemistry of enzymes

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PILCHER (Richard B.). Profession of chemistry.

Eb:3:N3 G8

CHEMIST'S yearbook. 1923; 1938—

En3:N15

MIALL (Stephen), *etc.* Chemistry, matter and life.

E G7

### E1:1 Inorganic Chemistry

SITARAMAN (M. L.). Practical chemistry.

E1:1y8 G8

MELLOR (J. W.). A comprehensive treatise on inorganic and theoretical chemistry. V. 16.

E1:1 F2.16

### E1:5 Organic Chemistry

- HEILBRON (I. M.), *etc.* *Eds.* Dictionary of organic compounds: the constitution and physical and chemical properties of the principal carbon compounds and their derivatives, together with the relevant literature references. 3 V. E1:5k G4.1—G4.3
- HOLLEMAN (A. F.). Textbook of organic chemistry. E1:5 F5
- COHEN (Julius B.). Organic chemistry for advanced students. Pt. 3. Synthesis. E1:5 F81.3
- HICKINBOTTOM (Wilfred John). Reactions of organic compounds. E1:5 G6
- KARRER (Paul). Lehrbuch der organischen Chemie. E1:5 113G7
- FIESER (L. F.). A supplement to the chemistry of natural products related to phenanthrene, being a reprint of the appendix of recent literature, to the publication date, January 1, 1937, and rev. indexes with page ref. to the first edn. E1:713 G7

### E2 Physical Chemistry

- PHYSICO-CHEMICAL SOCIETY OF JAPAN. Review of physical chemistry of Japan with complete abstracts of the physico-chemical literature. V. 11— 1937— E2m42:N27
- STEWART (Alfred W.). Some physico-chemical themes. E2 F21
- LEWIS (William C. McC.). System of physical chemistry. 2 V. E2 F52.1—F52.2
- GLASSTONE (Samuel). Recent advances in physical chemistry. E2 G1
- WATERS (William A.). Physical aspects of organic chemistry, etc. E2 G7



**E2136 Ionisation**

- GURNEY (R. W.). Ions in solution. E2136 G6
- KORDATZKI (W.). Taschenbuch der praktischen pH=Messung für wissenschaftliche laboratorien und technische Betriebe. E2136 113G5
- JORGENSEN (Holger), *etc.* Die Bestimmungen der Wasserstoffionen-konzentration (pH) und deren Bedeutung für Technik und Landwirtschaft. E2136 113G51

**E22 Solutions**

- RAKSHIT (Jitendra Nath). Association theory of solution and inadequacy of dissociation theory. E22 G0
- GIBSON (R. E.). Nature of solutions and their behavior under high pressures, *etc.* E2201 G8

**E235 Colloids**

- SAUER (E.). Kolloidchemisches Praktikum. E235y8 113G5

- 
- STILLWELL (Charles W.). Crystal chemistry. E28 G8

**E3 Analytical Chemistry**

- MORTON (R. Alan). Two lectures on practical aspects of absorption spectrophotometry. E305z7 G8
- BRENNECKE (E.), *etc.* Neuere massanalytische Methoden. E33 113G7
- PARISELLE (H.). Polarimetrie et chimie. E3305 122G6
- SNELL (Foster Dee), *etc.* Colorimetric methods of analysis, including some turbidimetric and nephelometric methods. V. 1. Inorganic. E3405:1 G6

SNELL (Foster Dee), *etc.* Colorimetric methods of analysis including some turbidimetric and nephelometric methods. V. 2. Organic and biological.

E3405.5 G7

KOLTHOFF (I. M.), *etc.* Textbook of quantitative inorganic analysis.

E34:1 G7

EMICH (Friedrich). Microchemical laboratory manual, with a section on spot analysis, by Fritz Feigl, tr. by Frank Schneider.

E39y8 G2

### E4 Synthetic Chemistry

BLANCHARD (Arthur A.), *etc.* Synthetic inorganic chemistry.

E4:1 G6

### E7 Biochemistry

HOPKINS (Frederick Gowland). *Ded.* Perspectives in biochemistry: thirty-one essays presented by his past and present members of his laboratory, ed. by Joseph Needham and David E. Green.

E7jM26 G7

BERTHO (A.), *etc.* Biochemisches Praktikum.

E7y8 113G6

WILLIAMS (Roger J.). An introd. to biochemistry.

E7 G13

BALDWIN (Ernest). An introd. to comparative biochemistry, *etc.*

E7 G7

HOLMES (Eric). The metabolism of living tissues.

E7 G71

BOMER (A.), *etc.* *Bearbt.* Allgemeine untersuchungsmethoden. 2 T.

E7 113G3.2—G3.3

LEHNARTZ (E.). Einführung in die chemische Physiologie.

E7 113G7

**E7:6 Biochemistry of Carbohydrates**

OHLE (Heinz). Die Chemie der Monosaccharide und der Glykolyse. E7:681 113G1

NORMAN (A. G.). The biochemistry of cellulose, the polyuronides lignin, etc. E7:6894 G7

**E7:9 Biochemistry of Biosubstances**

LETTRE (H.), *etc.* Über Sterine, Gallensauren und Verwundungsnaturstoffe Herzgifte, Hormone, Saponine und Vitamin D, *etc.* E7:93K 113G6

BULL (Henry B.). The biochemistry of the lipids. E7:96 G7

**E7:982 Biochemistry of Enzymes, *etc.***

FERMENT Forschung. B. 15— 1936|38— E7:982m55:N14

NORD (F. F.), *etc.* Hrsg. Ergebnisse der Enzymforschung. Bd. 7. E7:982 G2.7

TAUBER (Henry). Enzyme chemistry. E7:982 G7

MELDRUM (Norman U.). Cellular respiration. E7:9821 G4

WENT (F. W.), *etc.* Phytohormones. E7:986J G7

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ZECHMEISTER (L.), *etc.* Die chromatographische Adsorptionsmethode: Grundlagen, Methodik, Anwendungen. E7232 113G7

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## F Technology

- SHERWOOD (Thomas K.). Absorption and extraction.  
F:97 G7
- HOUWINK (R.). Elasticity, plasticity and structure of matter, tr. by Mrs. H. E. Teves-Acly, with a chap. on the plasticity of crystals by W. G. Burgers.  
F:C2:5 G7
- NASH (Alfred W.), *etc.* Principles of motor fuel preparation and application. V. 1. F5552 G3.1
- MITCHELL (C. Ainsworth). Vinegar: its manufacture and examination. F5964 F6
- MENON (A. K.). Manufacture of soap in India.  
F9496 G8
- PACIFIC NORTHWEST CHEMURGIC CONFERENCE. 1. *Washington*. 1937. Report. FJp735:N37 G7
- DOUMANI (Thomas). *Comp.* Wood chemical industries of Washington etc. FJA G7
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## **G Natural Science (General) and Biology**

The following are the chief divisions under which the books in this subject are grouped:—

G:33C5	Mitogenetic radiation
G:5	General ecology
G:5:1951	Fresh-water life

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TOKYO BUNRIKA DAIGAKU. Science reports. Section C.  
V. 1— 1932|37— Gm42:N37

GUNTHER (R. T.). Early science in oxford. V. 3.  
Pt. 1. Biological sciences. 2 Biological collec-  
tions. Gv3:M9 F5

JEFFERIES (Richard). Out-of-doors with Richard Jeffe-  
ries: an anthology. Gy7 G5

LEE (Bolles). Microtometist's vade-mecum: a handbook of  
the methods of animal and plant microscopic  
anatomy, ed. by J. Bronte Gatenby and Theophilus  
S. Painter. G:19 G7

GATENBY (J. Bronte). Biological laboratory technique:  
an introd. to research in embryology, cytology and  
histology. G:19 G71

### **G:33C5 Mitogenetic Radiation**

HOLLAENDER (Alexander), *etc.* An experimental study  
of the problem of mitogenetic radiation.  
G:33C5y8 G7

GURWITSCH (Alexander), *etc.* Die mitogenetische Strah-  
lung zugleich zweiter Band der, "Probleme der  
Zellteilung". G:33C5 113G2

**G:5 General Ecology**

ECOLOGICAL SOCIETY OF AMERICA. Ecology, etc. V. 9.  
1928. G:5m73:N151

**G:5:1951 Fresh-Water Life**

NEEDHAM (James G.), *etc.* Life of inland waters.

G:5:1951 G0

—— Guide to the study of fresh-water biology, with  
sp. ref. to aquatic insects and other invertebrate  
animals and phyto-planeton. G:5:1951 G8

LENZ (Friedrich). Einführung in die Biologie der  
Susswasserseen. G:5:1951 113F8

BLAKESLEE (Albert F.) and AVERY (Amos G.). Methods  
of inducing doubling of chromosomes in plants.

G:61y8 G8

CRILE (George). Phenomena of life: a radio-electric  
interpretation, ed. by Amy Rowland.

G1:C G6

## H Geology

The following are the chief divisions under which the books in Geology are grouped:—

Hu72	Geological survey of Canada
H1	Mineralogy
H2	Petrology
H4	Dynamic geology
H422	Action of water
H5	Stratigraphy
H69	Mammalian paleontology
H7	Economic geology
H7u	Survey
H7118	Gold deposits
H7210	Ground-water resources
H7551	Coal deposits
H8	Cosmic hypothesis

SHAW (E. W.). Little southwest Miremichi-sevogle  
Rivers area, New Brunswick. Hu7212 G6

CALEY (J. F.). Geology of Woodstock area, Carleton  
and York counties, New Brunswick. Hu7212 G61

HANSON (G.), *etc.* Eagle-McDame area, Cassiar district,  
British Columbia. Hu7252 G6

JOHNSTON (J. R.). Reconnaissance of Pelly river  
between MacMillan river and Hoole Canyon,  
Yukon. Hu7253 G62

HENDERSON (J. F.). Geology and mineral deposits of  
Ville-Marie and Guilled (Mud) lake map-areas,  
Quebec. Hu728 G6

GUNNING (A. C.). Cadillac area, Quebec. Hu728 G7

MERTIE (J. B.). *Jr.* The Yukon-Tanana region, Alaska.  
Hu76 G7

### H1 Minerology

ROGERS (Austin Flint). Introd. to the study of minerals,  
with a section on micro-chemical analysis by Lloyd  
W. Staples. H1 G7

BRITISH MUSEUM. NATURAL HISTORY. A guide to the  
mineral gallery. H1:13 G7

WELLS (Roger C.). Analysis of rocks and minerals from  
the laboratory of the United States Geological  
Survey, 1913—36. H1:5 G7

### H2 Petrology

JOHANNSSEN (Albert). A descriptive petrography of the  
igneous rocks. V. 4. 2 pts.

H21 G1.3—G1.4

HATCH (F. H.), *etc.* The petrology of the sedimentary  
rocks, rev. by Maurice Black. H23 G8

### H4 Dynamic Geology

DALY (Reginald Aldworth). Our mobile earth.

H41 F9

HECK (Nicolas Hunter). Earthquakes. H4132 G6

LABROUSTE (Henri). L'analyse des seismogrammes.

H4132 122G4

### H422 Action of Water

WILLIAMS (Gordon R.), *etc.* Selected bibliog. on erosion  
and silt movement. H422a G7

SYKES (Godfrey). Delta, estuary, and lower portion of  
the channel of the Colorado river, 1933 to 1935.

H4223u7343 G7



SYKES (Godfrey). The Colorado delta.

H4223u7343 G71

PIGGOTT (Charles Snowden). Core samples of the ocean bottom and their significance, etc. H4225 G8

VAN DIEREN (J. W.). Organogene Dunenbildung: Eine geomorphologische Analyse der Dunenlandschaft der West-Friesischen Insel Terschelling mit pflanzensoziologischen Methoden. H426 113G4

### H5 Stratigraphy

HINDS (Norman E. A.). Contributions to pre-Cambrian geology of Western North America. H51u71 G6

WRIGHT (W. B.). The quaternary ice age.

H55 G6

### H69 Mammalian Paleontology

GREGORY (William K.), *etc.* Fossil anthropoids of the Yale-Cambridge India expedition of 1935.

H69u2:4 G7

SIMPSON (George Gaylord). Fort Union of the Crazy Mountain Field, Montana and its mammalian faunas.

H697u7363:41 G7

### H7 Economic Geology

#### H7u Survey

UNITED STATES. MINES (Bureau of—). FOREIGN MINERALS DIVISION. Mineral raw materials: survey of commerce and sources in major industrial countries.

H7u1 G7

BAIN (H. Foster). Ores and industry in the Far East: the influence of key mineral resources on the development of oriental civilization, with a chap. on petroleum by W. B. Heroy.

H7u4 G3

- WONG (William A.). Mineral wealth of China.  
H7u41 F7
- KINDLE (E. D.). Mineral resources, Usk to Cedarvale,  
Terrace area, Coast District, British Columbia.  
H7u7252 G71
- RICHARDSON (G. B.). Geology and mineral resources of  
the Butler and Zelienople quadrangles, Pennsylv-  
ania.  
H7u7312 G6
- GILLULY (James). Geology and mineral resources of the  
Baker Quadrangle, Oregon, etc. H7u7353 G7
- MOORE (Bernard N.). Nonmetallic mineral resources of  
Eastern Oregon. H7u7353 G71

### H7118 Gold Deposits

- EMMONS (William Harvey). Gold deposits of the world,  
with a section on prospecting. H7118u1 G7
- STOCKWELL (C. H.). Gold deposits of Herblake area,  
Northern Manitoba. H7118u723 G3
- 
- McKNIGHT (Edwin T.). Zinc and lead deposits of  
Northern Arkansas. H7123u7336 G5

### H7210 Ground-Water Resources

- UNITED STATES. GEOLOGICAL SURVEY. Contributions to  
the hydrology of the United States. 1935—1936.  
H7210u73m
- 
- Water levels and artesian pressure in  
observation wells in the United States. 1935—1936.  
H7210u73r
- THEIS (Charles V.). Ground water in South central  
Tennessee. H7210u7328 G6
- SAYRE (Albert Nelson). Geology and ground-water  
resources of Uvalde and Medina counties, Texas.  
H7210u7331 G6

SAXRE (Albert Nelson). Geology and ground water resources of Duval County, Texas.

H7210u7331 G7

LONSDALE (John T.), *etc.* Geology and ground-water resources of Webb County, Texas.

H7210u7331 G71

STEARNS (Harold T.), *etc.* Records of wells on the Snake river plain, South Eastern Idaho.

H7210u7354 G6.2

HEWETT (D. F.), *etc.* The warm springs of Georgia: their geologic relations and origin: a summary report.

H7210:16u7323 G7

### H7551 Coal Deposits

HUNT (Charles B.), *etc.* Coal deposits of Pike County, Kentucky.

H7551u7318 G7

WARING (Gerald A.). Geology of the Anthracite ridge coal district, Alaska.

H7551u76 G6

### H8 Cosmic Hypotheses

HOLMES (Arthur). The age of the earth.

H8 G7

ADAMS (Leason H.). The earth's interior, its nature and composition.

H8 G71

TAMS (Ernst). Grundzuge der physikalischen, verhältnisse der Festenerde, ihre Beziehungen zur geologischen Gestaltung des Erdantlitzes. T. 2.

H8 113G2.2

PERRIER (Edmond). La terre avant l'histoire les origines de la vie et de l'homme.

H8 122F0

## I Botany

The following are the chief divisions under which the books in Botany are grouped:—

I:3	Plant physiology
I:8	Palaeobotany
I2	Thallophyta
I21	Bacteria
I22	Algae
I5	Flowering plants

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LUNDELL (Cyrus Longworth). The vegetation of Peten, with an appendix. Studies of Mexican and Central American plants. 1. Iu75 G7

CHARLES Flahault. 1852—1935. IuM52 122G6

HABERLANDT (G.). Botanisches Vademecum für bildende Künstler und Kunstgewerber. I 113G6

PERCIVAL (John). Agricultural botany: theoretical and practical. IOJ G6

BRIQUET (John). International rules of botanical nomenclature adopted by the International Botanical Congresses of Vienna 1905, and Brussels 1910, rev. by the Congress of Cambridge 1930. I:11 G5

### I:3 Plant Physiology

WRIGHT (E. C. Barton). General plant physiology, etc. I:3 G7

LOOMIS (Walter F.), *etc.* Methods in plant physiology: a laboratory manual and research handbook, with a chap. on statistical methods, by George W. Snedecor. I:3 G71

STILES (Walter), *etc.* Respiration in plants. I:3:4 G6

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JENSEN (P. Boysen). Growth harmones in plants, tr.  
and rev. by George S. Avery, Jr., and Paul  
R. Burkholder, *etc.* I:75 G6

### I:8 Palaeobotany

HARRIS (Thomas Maxwell). British Rhaetic flora.  
I:8u3:31 G8

SANBORN (Ethel I.), *etc.* Contributions to palaeontology:  
Eocene flora of Western America.  
I:8u735:41 G7

### I2 Thallophtya

KNIEP (Hans). Die Sexualitat der niederen Pflanzen:  
Differenzierung, Verteilung, Bestimmung und  
Vererbung des Geschlechts bei den Thallophtyen.  
I2:7 113F8

### I21 Bacteria

GALLOWAY (L. D.), *etc.* Applied mycology and bacterio-  
logy. I210F G7  
CLARK (D. G.). Physiological studies on rhizobium  
species. I210J:1 G6  
PRIBRAM (Ernst). Klassifikation der Schizomyceten,  
Bakterien: Versuch einer wissenschaftlichen Klassi-  
fikation der Bakterien auf botanischer Grundlage.  
I21:11 113G3

### I22 Algae

CHODAT (R.). Monographies d'algues en culture pure,  
*etc.* I22 122E3  
DETONI (Joseph). Diagnoses algarum novarum: post  
sylloges editionum descriptarum. 1. Myxophyceae,  
Centuria III. I22:12:1 12B9.8—3

LANDSBOROUGH (D.). Popular history of British sea weeds, ... with notices of some of the fresh-water algae. I22:12:3 A3

TAYLOR (William Randolph). Marine algae of the north eastern coast of North America. I22:12:71 G7

KUTZING (Friedrich Traugott). Tabulae Physiologicae oder Abbildungen der Tange. 19 B im 9 B. I22:14 113A.1—A.9

MENEGHINIO (Iosepho). Monographia Nostochinearum italicarum addito specimine de Rivulariis. I221:12:52 121A

CZURDA (Viktor). Conjugatae. I223:2 113G7  
OLTMANN (Friedrich). Beitrage zur Kenntniss der Fucaceen. I225 113B9

GRUBER (Eduard). Uber Aufbau und Entwicklung einiger Fecaceen. I225:2 113C6

FOSLIE (Mikael Heggelund). Contributions to a monograph of the Lithothamnia, ed. by Henrik Printz. I227 F9

## 15 Flowering Plants

JACKSON (B. Daydon). *Comp. Index Kewensis*: an enumeration of the genera and species of flowering plants from the time of Linnaeus to the year 1885 inclusive together with their authors' names, the work in which they were first published, their native countries and their synonyms, ed. by Joseph D. Hooker. Supplement 8. 1926—1930. I5:18 C3.12

GLOCK (Waldo S.). Principles and methods of tree-ring analysis and a contribution by G. A. Pearson. I5:760U28 G7

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BABCOCK (Ernest B.), *etc.* The genus *Youngia*. I8424:12 G7

## J Agriculture

The following are the chief divisions under which the books in Agriculture are grouped:—

<b>J:1</b>	<b>Soil</b>
<b>J:1:1</b>	Reclamation and protection of soil
<b>J:1:H</b>	Soil weathering
<b>J:1:I21</b>	Soil microbiology
<b>J:4</b>	<b>Diseases of crops</b>
<b>J:E3</b>	Agricultural analysis
<b>J1</b>	Landscape gardening
<b>J3</b>	Food crops
<b>J4</b>	Stimulant crops
<b>J961</b>	Rose
<b>JA</b>	<b>Forestry</b>

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NEWSHAM (J. C.). *Comp.* Horticultural notebook: a manual of practical rules, data, and tables, etc.

Jg G7

MADRAS. AGRICULTURE (Department of—). A popular account of the progress of the work of the Madras Agricultural Department, 1922-35. Jv21:N3 G7

SCHAFER (Joseph). The social history of American agriculture. Jv73:N3 G6

UNITED STATES. AGRICULTURE (Department of—). Response of government to agriculture: an account of the origin and development of the United States Department of Agriculture, on the occasion of its 75th anniversary by Arthur P. Chew.

Jv73:N3 G7

RUSSELL (E. John), *etc.* Fifty years of field experiments at the Woburn Experimental Station, with a statistical report by W. G. Cochran. Jy8 G6

SURYANARAYANA (Mantha). Krisheevala vijayamu. Jæ62 35G5

### Treatises

HUTCHESON (T. B.), *etc.* The production of field crops: a textbook of agronomy. J G6

WRIGHTSON (John), *etc.* Agriculture: theoretical and practical, a textbook of mixed farming for large and small farmers and for agricultural students, *etc.* J G7

HALL (A. D.). The feeding of crops and stock: an introd. to the sciences of the nutrition of plants and animals. 3 pts. J G71.1—G71.3

SOUTH AFRICA. AGRICULTURE AND FORESTRY (Department of—). Handbook for farmers in South Africa. J G72

COX (Joseph F.), *etc.* Crop management and soil conservation. J G73

NAGABHUSHANA. Krishijnana pradipike, ed. by P. G. Halakatti. J 33G6

### J:1 Soil

SCARSETH (George D.). Development, classification and properties of soils: outline of lectures in soils. J:1 G61

RUSSELL (E. John). Soil conditions and plant growth. J:1 G7

LYON (T. Lyttleton), *etc.* The nature and properties of soils: a college text of edaphology. J:1 G72

DE SIGMOND (Alexius A. J.). Principles of soil science, tr. by Arthur B. Yolland, ed. by G. V. Jacks, *etc.* J:1 G8



**J:1:1 Reclamation and Protection of soil**

- AYRES (Quincy Claude). Soil erosion and its control.  
J:1:1 G6
- GUSTAFSON (A. F.). Conservation of the soil.  
J:1:1 G7
- JACKS (G. V.), *etc.* Erosion and soil conservation.  
J:1:1 G8
- LYON (T. L.), *etc.* Lysimeter experiments. Pt. 4.  
Records for tanks 17—20 during the years 1922—  
1933 and for tanks 13—16 during the years  
1913—1928. J:1:Cy8 G6

**J:1:H Soil Weathering**

- BLANCK (E.), *etc.* Contributions to the knowledge of  
chemical weathering and soil formation in Siam.  
J:1:Hu433 G7
- POLYNOV (B. B.). The cycle of weathering, tr. by  
Alexander Muir, *etc.* J:1:H G71

**J:1:I21 Soil Microbiology**

- WAKSMAN (Selman A.). Principles of soil microbiology.  
J:1:I21 G21

**J:4 Diseases of Crops**

- HEALD (Frederick Deforest). Intro. to plant pathology.  
J:4 G7
- SWEETMAN (Harvey L.). Biological control of insects  
with a chap. on weed control *etc.*  
J:4K86:68 G6
- BELLER (Samuel), *etc.* Preliminary list of insect pests  
and their host plants in Siam, with notes on their  
injury, miscellaneous foods and utilization of the  
host plants. J:4K86:918:433 G6

- NEW SOUTH WALES. AGRICULTURE (Department of—).  
Pruning. J:53 G3
- HILL (Albert F.). Economic botany: a text-book of  
useful plants and plant products. J:9 G7

### J:E3 Agricultural Analysis

- ASSOCIATION OF OFFICIAL AGRICULTURAL CHEMISTS.  
*United States*. Official and tentative methods of  
analysis. J:E3 G6
- WRIGHT (C. Harold). Agricultural analysis: a handbook  
of methods excluding those for soils. J:E3 G8
- 
- WILLCOX (O. W.). ABC of agrobiolgy: the quantitative  
science of plant life and plant nutrition for  
gardeners, farmers and general readers. J:G G7

### J1 Landscape Gardening

- SARANGADHARA. Upavana-vinoda: a Sanskrit treatise on  
arbori-horticulture, being a chap. from the  
'Sarangadhara-paddhati' tr. by Girija Prasanna  
Majumdar. J1xG40 G5
- MAWSON (Thomas H.), *etc.* The art and craft of garden  
making. J1 F6
- ROSS (W. A.), *etc.* Landscaping the farmstead: making  
the farm home grounds more attractive. J1 G8
- WYMAN (Donald). Growth experiments with pin oaks  
which are growing under lawn conditions.  
J14y8 G5
- 

- RENNER (F. G.), *etc.* A selected bibliog. on management  
of western ranges, livestock, and wild life.  
J2a4:2735:N3 G8

### J3 Food Crops

- STUART (William). Potato: its culture, uses, history and  
classification, ed. by Kary C. Davis. J321 G7

- UNITED PROVINCES. AGRICULTURE (Department of—). Improved methods of cane cultivation in the United Provinces, by R. L. Sethi, etc. J341 G8
- TRESSLER (Donald K.), *etc.* The freezing preservation of fruits, fruit juices, and vegetables. J37:77:84 G6
- RAMIAH (K.). Rice in Madras: a popular handbook. J381 G7
- PERCIVAL (John). The wheat plant: a monograph. J382 F1
- UNITED STATES. EDUCATION (Office of—). Suggestions for teaching the job controlling bunt (stinking smut) of wheat in vocational agricultural classes. J382:4I237:5y8 G7
- SNOWDEN (J. D.). The cultivated races of sorghum. J385:912 G6

#### J4 Stimulant Crops

- GREIG (J. L.). The cultivation of lowland tea at the central experiment station, Serdang. J451 G7
- WILLIAMS (Llewelyn). Tea. J451:913 G7
- KENYA. AGRICULTURE (Department of—). Coffee in Kenya ..., ed. by J. McDonald. J481r687 G7
- 
- REDGROVE (H. Stanley). Spices and condiments. J6 G3

#### J961 Rose

- SHERRARD-SMITH (W.). Practical hints on rose culture in India. J961 G2
- BHATCHARJI (B. S.). Practical rose growing in India, with a chap. on the raising of new roses by Courtney Page and a special chap. for Bengal by A. C. Pal, etc. J961 G5

BRETT (Walter). *Ed.* Rose encyclopaedia. J961 G8

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THOMPSON (A.). Observations on stem-rot of the oil palm. J971:4I23y7 G7

PATEL (J. S.). The coconut: a monograph. J982 G8

KALE (F. S.). Soya bean: its value in dietetics, cultivation and uses. J988 G7

### JA Forestry

LEAGUE OF NATIONS. COMMITTEE OF STATISTICAL EXPERTS.

Timber statistics: a minimum programme of timber statistics. JA:74s G8

KAMESAM (S.). Fire proofing of wood. JA:74:26 G7

MUNNS (E. N.). Distribution of important forest trees of the United States. JA:918:73 G8

ANTEVS (Ernst). Rainfall and tree growth in the Great Basin, ed. by J. K. Wright.

JA:G:760U2855 G8

## K Zoology

The following are the chief divisions under which the books in Zoology are grouped:—

K1:3	Invertebrate physiology
K23	Sporozoa
K8	Arthropoda
K86	Insecta
K871	Diptera
K874	Aphaniptera
K9	Vertebrata
K92	Pisces
K96	Aves
K97	Mammalia

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GARDINER (J. Stanley). *Ed.* The fauna and geography of the Maldiva and Laccadive archipelagoes, being the account of the work carried on and of the collections made by an expedition during the years 1899 and 1900. 2 V.      K:12:292 D3.1—D3.2

BENEDICT (Francis G.), *etc.* Lipogenesis in the animal body, with sp. ref. to the physiology of the goose.      K:31:94 G7

### K1:3 Invertebrate Physiology

BUDDENBROCK (W. v.), *etc.* Vergleichend-physiologisches Praktikum mit besonderer Berücksichtigung der Niederentiere.      K1:3y8 113G6

**K23 Sporozoa**

WATSON (Minnie Elizabeth). Studies on gregarines, including descriptions of twenty-one new species and a synopsis of the eugregarine records from the myriapoda, coleoptera and orthoptera of the world. K231:12:1 E6.1

KAMM (Minnie Watson). Studies on gregarines, II: synopsis of the polycystid gregarines of the world, excluding those from the myriapoda, orthoptera and coleoptera. K231:12:1 E6.2

SIEDLECKI (M.). Über die Struktur und die Lebensgeschichte von Caryotropha Mesnili.

K231:7 113D7

DEBAISIEUX (Paul). Haplosporidium, Minchinia, Chitonis Lank., Haplosporidium nemertis, nov. sp. et le groupe des Haplosporidies. K235 113F0

GOPALA AIYAR (R.). Salamacis: the Indian sea-urchin.

K54 G8—G82

RICHARDS (Oscar W.). The growth of mussel mytilus californianus. K712:22 F8

**K8 Arthropoda**

RATHBUN (Mary J.). Oxy stomatous and allied crabs of America. K81583:12:7 G7

**K86 Insecta**

HOWARD (Leland O.). Fighting the insects: the story of an entomologist, etc. K86wM57 G3

—— The insect book: a popular account of the bees, wasps, ants, grasshoppers, flies and other North American insects exclusive of the butterflies, moths and beetles, with full life histories, tables and bibliographies. K86 G7

BEIER (Max), *etc.* *Bearbt.* Insecta. T. 2—3.

K86 113G0.2—G0.3

HOWARD (Leland O.). The insect menace. K860Y1 G3

FOLSOM (J. W.). Nearctic collembola or springtails, of  
the family isotomidae. K8612:12 G7

MANI (M. S.). Catalogue of Indian insects. Pt. 23.  
Chalcidoidea. K864:18:2 G8

### K871 Diptera

EVANS (Alwen M.). Mosquitoes of the Ethiopian region.  
Pt. 2. Anophelin: adults and early stages.

K8711:12:682 G6.2

AUSTEN (E. E.). Bombyliidae of Palestine.

K8712:12:435 G7

### K874 Aphaniptera

WATERSTON (James). Fleas as a menace to man and  
domestic animals: their life history, habits and  
control, rev. by P. A. Buxton. K874 G7

### K9 Vertebrata

WORTHINGTON (S.), *etc.* Inland waters of Africa: the  
result of two expeditions to the great lakes of  
Kenya and Uganda, with accounts of their biology,  
native tribes and development. K9:5:1951-6 G3

SPEMANN (Hans). Experimentelle Beiträge zu Einer-  
theorie der Entwicklung. K9:73 113G6

### K92 Pisces

DEAN (Bashford). Bibliography of fishes, ed. by Charles  
Rochester Eastman. 3 V. K92aN1 E6.1—E6.3

BRITISH MUSEUM. NATURAL HISTORY. Illustrated guide  
to the fish gallery, by J. R. Norman.

K92:13 G7

**K96 Aves**

BAKER (E. C. Stuart). Birds. 2 V.

K96:12:2 G0.1—G0.2

BENT (Arthur Cleveland). Life histories of North American birds of prey: order falconiformes. Pt. 1.

K9635:5:71 G7.1

**K97 Mammalia**

DICE (Lee R.), *etc.* Studies of mammalian ecology in south-western North America, with sp. attention to the colors of desert mammals.

K97:5:1911-734:875 G7



## L Medicine

The following are the chief divisions under which the books in Medicine are grouped:—

<b>L:3</b>	<b>Human physiology</b>
<b>L:4</b>	<b>Diseases</b>
<b>L:4:3</b>	<b>Diagnosis</b>
<b>L:4:3253</b>	<b>X-Ray diagnosis</b>
<b>L:4:4</b>	<b>Pathology</b>
<b>L:4:6</b>	<b>Therapeutics</b>
<b>L:4:7</b>	<b>Surgery</b>
<b>L:42</b>	<b>Infectious diseases</b>
<b>L:5</b>	<b>Public health</b>
<b>L:5:X:8</b>	<b>Public health department</b>
<b>L:524</b>	<b>State control of intoxicants</b>
<b>L:558</b>	<b>Public hygiene of air</b>
<b>L:57</b>	<b>Personal hygiene</b>
<b>L:573</b>	<b>Food and nutrition</b>
<b>L:573:E</b>	<b>Chemistry of food and nutrition</b>
<b>L:6</b>	<b>Pharmacognosy</b>
<b>L:63</b>	<b>Pharmacology</b>
<b>L:Z</b>	<b>Legal medicine</b>
<b>L185</b>	<b>The eye</b>
<b>L185:4</b>	<b>Diseases of the eye</b>
<b>L191</b>	<b>Joints</b>
<b>L2</b>	<b>Digestive system</b>
<b>L3</b>	<b>Circulatory system</b>
<b>L4:4</b>	<b>Diseases of the respiratory system</b>

<b>L5</b>	<b>Cenito-urinal system</b>
L55:3	Obstetrics
L6	Glandular system
L7:4	Diseases of the nervous system
L91	Children
<b>LA</b>	<b>Ayurvedic medicine</b>

ARMY MEDICAL LIBRARY. *United States*. Index catalogue of the library of the Surgeon-General's office. Fourth series. V. 2. La4:473:M36 G6.2

ROLLESTON (Humphry). *Ed.* British encyclopaedia of medical practice, including medicine, surgery, obstetrics, gynaecology and other special subjects. V. 1—9. Lk G6.1—G6.9

INDIAN RESEARCH FUND ASSOCIATION. SCIENTIFIC ADVISORY BOARD. Report and summary of the report of Governing Body. 1933|34. L12:N12r

HEWER (G. Langton). Recent advances in anaesthesia and analgesia, including oxygen therapy. L:17 G7

### **L:3 Physiology**

DOUGLAS (C. G.), *etc.* Human physiology: a practical course. L:3y8 G7

STARLING (Ernest H.). Principles of human physiology, ed. and rev. by C. Lovatt Evans; the chap. on the central nervous system and sense organs rev. by H. Hartridge. L:3 G61

BEST (Charles Herbert), *etc.* The physiological basis of medical practice: a University of Toronto text in applied physiology. L:3 G7

- TRENDELENBURG (W.), *etc.* *Hrsgs.* Lehrbuch der Physiologie des Menschen. L:3 113F4
- BARBER (Harold Hayden). Physiology for pharmaceutical students. L:30L:68 G7
- CARPENTER (Thorne M.). The metabolism of alcohol in the animal body. L:33:54 G7

### L:4 Diseases

- MODERN treatment in general practice, *etc.* V. 1—  
1934— L:4m3:N34

### L:4:3 Diagnosis

- KRACKE (Roy R.). *Ed.* Textbook of clinical pathology. L:4:3 G8
- BUCHANAN (Scott). Doctrine of signatures; a defence of theory in medicine. L:4:3:R G8

### L:4:3253 X-Ray Diagnosis

- BROWN (Percy). American martyrs to science through the Roentgen rays, with a short glossary of the scientific terms used in the text. L:4:3253wM9 G6
- HOLMES (George W.), *etc.* Roentgen interpretation: a manual for students and practitioners. L:4:3253 G62
- FRIEDMAN (Lewis J.). Textbook of diagnostic roentgenology. L:4:3253 G7

### L:4:4 Pathology

- NATIONAL RESEARCH COUNCIL OF JAPAN. Japanese journal of medical sciences. Section 5. Pathology. Transactions and abstracts. V. 2— 1934|36—  
L:4:4m42:N20

HADFIELD (Geoffrey), *etc.* Recent advances in pathology.  
L:4:4 G8

GERLACH (Walther), *etc.* Clinical and pathological applications of spectrum analysis ..., being the tr. of Pt. 2 of "Die chemische Emissionsspektralanalyse", tr. by Joyce Hilger Twyman.  
L:4:402 G4

### **L:4:6 Therapeutics**

HOUSTON (William R.). The art of treatment.  
L:4:6 G61

MUKERJI (Sudhir Kumar). Prakasa-chikitsa.  
L:4:625 152G8

LAKSHMAN (Sharma K.). The fasting cure.  
L:4:6426 G2

### **L:4:7 Surgery**

SAUERBRUCH (Ferdinand). Advances in modern surgery.  
L:4:7z7 G7

BAILEY (Hamilton). Emergency surgery.  
L:4:7 G64

SOUTTAR (H. S.). Art of surgery, *etc.* L:4:7 G7

### **L:42 Infectious Diseases**

STIMSON (Philip Moen). A manual of the common contagious diseases.  
L:42 G6

PHILIP (Robert W.). Collected papers on tuberculosis.  
L:421zM56 G7

### **L:5 Public Health**

GREAT BRITAIN. CHIEF MEDICAL OFFICER. Annual report on the state of public health. 1934—

L:5r3

MOUNTIN (Joseph W.), *etc.* Illness and medical care in  
Puerto Rico. L:5u792:N3 G7

GHOSH (Birendra Nath). Treatise on hygiene and public  
health, with sp. ref. to the tropics. L:5 G8

### **L:5:X:8 Public Health Department**

CHURCHILL (Stella). Health services and the public.

L:5:X:8:3:N2 F8

HILL (T. W.). The health of England.

L:5:X:8:3:N3 G3

POLITICAL AND ECONOMIC PLANNING. *Great Britain.*  
Report on the British health services, a survey of  
the existing health services in Great Britain with  
proposals for future development.

L:5:X:8:3:N3 G7

### **L:524 State Control of Intoxicants**

LEAGUE OF NATIONS. Convention for limiting the manu-  
facture and regulating the distribution of narcotic  
drugs ... 1931: historical and technical study *etc.*

L:524q1:N31 G7

### **L:558 Public Hygiene of Air**

IVES (James E.), *etc.* Measurements of ultra-violet  
radiation and illumination in American cities dur-  
ing the years 1931 to 1933.

L:558:C52u73:N3 G7

### **L:57 Personal Hygiene**

GRAND (Jules). Talks on hygiene, tr. by Fred Rothwell.

L:57 E9

### **L:573 Food and Nutrition**

LEAGUE OF NATIONS. INFORMATION SECTION. New tech-  
nical efforts towards a better nutrition.

L:573b4 G8

FISHBEIN (Morris). Your diet and your health.

L:573 G74

SILBURN (Judith Ann). Nutrition and sex.

L:5730S5:5 G7

### **L:573:E Chemistry of Food and Nutrition**

DRUMMOND (J. C.). Biochemical studies of nutritional problems.

L:573:E G4

DANIEL (Esther Paterson), *etc.* Vitamin content of foods: a summary of the chemistry of vitamins, units of measurement, quantitative aspects in human nutrition and occurrence in foods.

L:573:E:97 G7

### **L:6 Pharmacognosy**

BASTEDO (Walter Arthur). Materia medica, pharmacology, therapeutics and prescription writing, *etc.*

L:6 G8

### **L:63 Pharmacology**

CUSHNY (Arthur Robertson). Pharmacology and therapeutics or the action of drugs in health and disease, ed. by C. W. Edmunds and J. A. Gunn.

L:63 G6

MACLEOD (John James Rickard). Carbohydrate metabolism and insulin.

L:63:L293 F6

### **L:Z Legal Medicine**

MITCHELL (C. Ainsworth). Forensic chemistry in the criminal courts.

L:Zz7 G8

GONZALES (Thomas A.), *etc.* Legal medicine and toxicology, *etc.*

L:Z G7

### **Specific Regions and Organs**

HARRIS (Wilfred). The facial neuralgias.

L181-73:417 G7

**L185 The Eye**

DUKE-ELDER (W. Stewart). Text-book of ophthalmology.  
2 V. L185 G8.1—G8.2

REA (R. Lindsay). Neuro-ophthalmology.  
L185-7:4 G3

LUCKIESH (Matthew), *etc.* Science of seeing.  
L185:30D6:5 G7

**L185:4 Diseases of the Eye**

TRONCOSO (Manuel Uribe). Internal diseases of the eye  
and atlas of ophthalmoscopy. L185:4 G7

KOMAN NAIR (K.). Ophthalmology in its relation to  
clinical medicine. L185:4:31 G7

KAMESVARAN (L.). Defective sight: its cause and cure.  
L185:4:64 G5

**L191 Joints**

POYNTON (Frederic John), *etc.* Recent advances in the  
study of rheumatism. L191:4722 G7

**L2 Digestive System**

METHODEN zur Untersuchung der Funktionen des Ver-  
dauungsapparates. H. 2. L2:3 113F3.2

KLEIN (Henry), *etc.* Dental caries in American Indian  
children. L214:4241:2 G8

CADY (F. C.), *etc.* Survey of dental activities of state  
departments and institutions of the United States.  
L214:54u73:N3 G6

SCHINDLER (Rudolf). Gastroscopy: the endoscopic study  
of gastric pathology, *etc.* L24:4:31 G7

VERZAR (F.), *etc.* Absorption from the intestines.  
L25:3 G6

**L3 Circulatory System**

ASHMAN (Richard), *etc.* Essentials of electrocardio-  
graphy. L32:3:C6 G7

LEVINE (Samuel A.). Clinical heart disease. L32:4 G8

PINEY (A.), *etc.* Clinical atlas of blood diseases.

L35:4:3f G8

CARRIE (Curt). Die Porphyrine ihre Nachweis, ihre  
Physiologie und Klinik. L35:4533 113G6

PONDER (Eric). The mammalian red cell and the proper-  
ties of haemolytic systems. L35:E G4

UNITED STATES. PUBLIC HEALTH SERVICE. Pathology of  
Tularaemia. L396:4247:4 G7

#### **L4:4 Diseases of the Respiratory System**

NATIONAL RESEARCH COUNCIL OF JAPAN. Japanese jour-  
nal of medical sciences. XII. Oto-Rhino Laryn-  
gology. V. 2. 1933|38. L4:4m42:N20

PUNCH (A. Lisle), *etc.* Modern treatment of diseases of  
the respiratory system. L4:4:6 G6

BURRELL (L. S. T.). Recent advances in pulmonary  
tuberculosis. L45:421 G7

#### **L5 Genito-Urinal System**

KEYES (Edward L.), *etc.* Urology. L5:47 G62

#### **L55:3 Obstetrics**

MEDICAL COUNCIL OF INDIA. Notes on the teaching of  
midwifery in the British Indian Universities, with  
comparative tables. L55:3b32:N3 G7

SOLOMONS (Bethel), *etc.* Tweedy's practical obstetrics.

L55:3 G7

TITUS (Paul). Management of obstetric difficulties.

L55:3 G71

KERR (J. M. Munro). Operative obstetrics: a guide to  
the difficulties and complications of obstetric prac-  
tice, ed. by Donald McIntyre and D. Fyfe  
Anderson. L55:3 G72



HAIRE (Norman). Birth-control methods: contraception, abortion, sterilisation, etc. L55:394 G7

LEAGUE OF NATIONS. HEALTH ORGANISATION. Inquiry into the results of radiotherapy in cancer of the uterus: atlas illustrating the division of cancer of the uterine cervix into four stages according to the anatomo-clinical extent of the growth, prep. by J. Heyman. L553:47257g G8

### L6 Glandular System

TRENDELENBURG (Paul). Die Hormone: ihre Physiologie und Pharmakologie. 2 B. L6:3 113F9.1—F9.2

WERNER (August A.). Endocrinology: clinical application and treatment. L6:4 G7

GOLDZIEHER (Max A.). Practical endocrinology: symptoms and treatment. L6:4 G71

BROSTER (L. R.), *etc.* Adrenal cortex and intersexuality. L61:453z7 G8

HERTZLER (Arthur E.). Surgical pathology of the thyroid gland. L65:4711:4 G6

### L7:4 Diseases of the Nervous System

GORDON (R. G.), *etc.* Introd. to psychological medicine. L7:4 G6

LAKSHMAN (Sarma K.). Mental healing. L7:4:691 G1

DENT (John Yerbury). Reactions of the human machine. L7:4:691 G61

ENGLISH (O. Spurgeon), *etc.* Common neuroses of children and adults. L7:4:691 G7

LAFORGUE (Rene). Clinical aspects of psycho-analysis, tr. by John Hall. L7:4:691 G8

HINSIE (Leland E.). Concepts and problems of psychotherapy. L7:4:691 G81

HENRY (George W.). Essentials of psychiatry. L7:4:691 G82

ROSANOFF (Aaron J.). Manual of psychiatry and mental hygiene. L7:4:691 G83

FROLOV (Y. P.). Pavlov and his school: the theory of conditioned reflexes, tr. by C. P. Dutt. L71:3 G8

CANNON (Walter B.), *etc.* Autonomic neuro-effector systems. L77:3 G7

BURNS (B. H.), *etc.* Recent advances in orthopaedic surgery. L82:471:7 G7

SCHWARTZ (Louis), *etc.* Skin hazards in American industry. V. 2. L87:415:510X9u73:N3 G4.2

### L91 Children

ZAHORSKY (John), *etc.* Synopsis of pediatrics. L91:4 G7

HARDY (Martha Crumpton), *etc.* Healthy growth: a study of the influence of health education on growth and development of school children. L91:50T G6

### LA Ayurvedic Medicine

VAIDYA (K. M.). Ashtanga hridaya kosha, with the hridaya prakasha: a critical and explanatory comm. LAx3k 15G6

KASYAPA. Kasyapasamhita, ed. by Sampatkumara Ramaju Muni. LA:441:6x1 15G3

SUNDARAM (A. R. S.). Hindu pharmacopoeia. LA:65 G3

——— Ayurveda oushada muraigal. LA:65 31G5

MOOKERJI (Bhudeb). *Tr.* Rasa-jala-nidhi or ocean of Indian chemistry and alchemy. V. 4. LA:68 F6.4

## M Useful Arts

The following are the chief divisions under which the books in Useful Arts are grouped:—

M1	Book-production
M3	Domestic science
MK	Animal husbandry and veterinary science
MK2	Cattle
MK2:573	Food and nutrition of cattle
MK2:G:6	Cattle breeding
MK31	Dairying
MK351	Poultry-keeping
MV4	Military science
MY	Sports and games

### M1 Book-Production

CARTER (John). *Ed.* New paths in book collecting:  
essays by various hands, etc. M1z7 G4

### M3 Domestic Science

WHITAKER (Ruth). Modern developments in domestic  
science training, etc. M3b33:N3 G7

COOPER (Charles). English tables in history and litera-  
ture. M3v3:N2 F9

CARPENTER (Rowena Schmidt), *etc.* Menus and recipes  
for lunches at school. M310T15 G6

### MK Animal Husbandry and Veterinary Science

MACEWAN (J. W. G.), *etc.* Science and practice of  
Canadian animal husbandry. MK G6

WOOD (T. B.). Animal nutrition. MK:573 G2

**MK2 Cattle****MK2:573 Food and Nutrition**

MAYNARD (Leonard A.). Animal nutrition.

MK2:573 G7

BULL (Sleeter), *etc.* Principles of feeding farm animals.

MK2:573 G71

NATIONAL RESEARCH COUNCIL. *United States*. COMMITTEE ON ANIMAL NUTRITION. Mineral nutrition of farm animals by H. H. Mitchell and F. J. McClure.

MK2:573 G72

**MK2:G:6 Cattle Breeding**

LUSH (Jay L.). Animal breeding plans. MK2:G:6 G7

OLVER (Arthur). A brief survey of some of the important breeds of cattle in India.

MK2:G:6 G8

**MK31 Dairying**

MATTICK (A. T. R.). Handling of milk and milk products.

MK31:7 G7

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BRODY (Arthur Louis). The transmission of fowl-fox.

MK35:4:23:2 G6

**MK351 Poultry-Keeping**

THOMPSON (Willard C.). Egg farming, *etc.* MK351 G6

BARGER (Edgar Hugh), *etc.* Diseases and parasites of poultry.

MK351:4 G8

**MV4 Military Science**

GREAT BRITAIN. WAR (—office). Examination of army officers for promotion: papers set in March, 1938 with remarks by the examiners.

MV4b112r

JADHAV (G. M.). Military science.

MV4z7 G8

MYm2:N36

SPORTS AND GAMES

**MY Sports and Games**

INDIAN OLYMPIC ASSOCIATION. Sports, etc. V. 1—  
1936— MYm2:N36

SWARNAVALI (K.). *Ed.* Vinoda silpamu. Pt. 1.  
MY34 35G5.1

SANKARAN MOOSED (K.). *Ed.* Indrajala kautukam.  
MY4 32F8

## △ Spiritual Experience and Mysticism

The following are the chief divisions under which the books in Spiritual Experience and Mysticism are grouped:—

△xM96	Krishnamurti's works
△y7	Mystics
△:8	Occultism
△:8:16	Spiritualism
△:864	Astrology
△:866	Premonition
△:R	Philosophy of mysticism
△2	Hindu mysticism
△3	Jain mysticism
△4	Buddhist mysticism
△5	Judaic mysticism
△6	Christian mysticism
△63	Gnosticism
△73	Sufism
△8452	Mithraism
△8513	Neo-Platonic mysticism
△E	Occult chemistry
△J	Occult agriculture

### △xM96 Krishnamurti's Works

KRISHNAMURTI (J.). Verbatim reports of talks and answers to questions at Italy and Norway, 1933, Adyar, India, 1933|34, Ojai Camp, 1934, Auckland, N. Z. 1934. △xM96 G3

— Authentic report ... of talks given in Latin America, at Ojai, etc. △xM96 G6

- A SERVER. *Pseud. Comp.* Meditations, being selections from "At the feet of the master". △xM96:1 F3
- ARUNDALE (George S.). Thoughts on "At the feet of the master". △xM96:1:9 E8
- LEADBEATER (C. W.). Talks on "At the feet of the master". △xM96:1:9 F2
- DAVIES (J. Tyssul). The religion of J. Krishnamurti, without rite, without church. △xM96:9 F9

△y7 Mystics

- PAPAIYA CHETTY (B.). Sri Saileela. △y7M36 35G8
- YEATS (W. B.). A vision. △y7M651 G7
- NARASIMHA SWAMI (B. V.). Sage of Sakori. △y7M70 G8
- CHANDRASEKHARA AIYAR (K. S.). J. Krishnamurti: some impressions. △y7M96 F7
- WODEHOUSE (E. A.). The new Krishnaji. △y7M96 F71
- BOEKOE nomor i jaito bernama mengadep pada kakinja sang Goeroedewa j ang mengarang Alkyone J. Kresnamoerti. △y7M96 112E1

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MUKERJEE (Radhakamal). Theory and art of mysticism. △ G7

GUENON (Rene). Le symbolisme de la croix. △:18 122G1

——— Autorite spirituelle et pouvoir temporel. △:7:W 122G0

△:8 Occultism

- LEADBEATER (C. W.). Invisible helpers. △:8 E8
- CANNON (Alexander). The power of Karma in relation to destiny. △:8 G6

△:8:16 **Spiritualism**

TYRRELL (G. N. M.). Science and psychical phenomena.

△:8:16 G8

GUENON (Rene). L'erreur spirite. △:8:16 122G0

JAGANNADHASWAMI (P.). Atmajagnasa sanghamu: psychical research and man's survival of bodily death.

△:8:16 35E6

WESTAWAY (F. W.). Obsessions and convictions of the human intellect.

△:8:9 G8

△:864 **Astrology**

THIERENS (A. E.). Astrology in Mesopotamian culture: an essay.

△:864v467:A G5

NRISIMHA SURI. Kalaprakasika, ed. by T. Ramaswamy Sastri.

△:864 15F3

RAMANUJACHARYA (V.). *Tr.* Kalamrita, with a comm. by Venkatesa Yajwan.

△:864 31F1

CARINGTON (Whately). Preliminary experiments in pre-cognitive guessing.

△:866 G5

△:R **Philosophy of Mysticism**

BEALE (W. J.). Divine causation: a critical study concerning intermediaries.

△:R G7

HUGHES (Thomas Hywel). Philosophic basis of mysticism.

△:R G71

△1:3 **Integral Yoga**

AUROBINDO. Bases of yoga.

△1:3 G6

△2 **Hindu Mysticism**

PUROHIT SWAMI. An Indian monk: his life and adventures, etc.

△2y7M82 G2

SHARPE (Elizabeth). Flame of God: a mystical autobiography.

△2y7M88 G0



BEHANAN (Kovoor T.). *Yoga: a scientific evaluation.*

△2 G8

YEATS-BROWN (F.). *Yoga explained, etc.*

△2:3 G7

BRUNTON (Paul). *The quest of the overself.*

△2:3 G71

### △3 Jain Mysticism

YOGINDUDEVA. *Paramatmaprakasa: Paramappapayasu: an apabhramsa work on Jaina mysticism, the apabhramsa text, ed. with Brahmadeva's Sanskrit comm. and Daulatarama's Hindi tr. ... and also Yogasara, ed. ..., by A. N. Upadhye.*

△3xD50 152G7

### △4 Buddhist Mysticism

DAWA-SAMDUP (Kazi). *Ed. Shrichakra sambhara tantra: a buddhist tantra.*

△41:3 E9

### △5 Judaic Mysticism

BUBER (Martin). *Jewish mysticism and the legends of Baalshem tr. by Lucy Cohen.*

△5z7 G1

SPERLING (Harry), *etc. Trs. Zohar, etc. 5 V.*

△5:8x1 G1.1—G1.5

REGARDIE (Israel). *A garden of pomegranates: an outline of the Qabalah.*

△5:8 G2

### △6 Christian Mysticism

BERNARD. *Saint. On the love of God, tr. ... by Terence L. Connolly.*

△6xD91 G7

JOHN. *Saint. Complete works, tr. from the critical ed. of P. Silverio de Santa Teresa, ed. by E. Allison Peers. 3 V.*

△6xJ42 G4.1—G4.3

BOEHME (Jacob). *Confessions, comp. and ed. by W. Scott Palmer, etc.*

△6xJ75:11 F0

BOEHME (Jacob). Way to Christ, described in the following treatises: of true repentance, of true resignation, of regeneration, of the supersensual life. △6xJ75:12 F7

—— De electione gratiae and questiones theosophicae, with a biog. sketch, tr. ..., by John Rolleston Earle. △6xJ75:13 G0

—— Supersensual life or the life which is above sense, being two dialogues between a scholar or disciple and his master, tr. by William Law. △6xJ75:21 G5

—— Signature of all things. △6xJ75:22 G4

PEERS (E. Allison). Ramon Lull: a biography. △6y7G32 F9

UNDERHILL (Evelyn). House of the soul. △6z7 G3

—— Spiritual life: four broadcast talks. △6z7 G8

### △63 Gnosticism

MEAD (G. R. S.). Fragments of a faith forgotten: some short sketches among the gnostics mainly of the first two centuries, a contribution to the study of the Christian origins, etc. △63 G1

BAYNES (Charlotte A.). Tr. A coptic gnostic treatise contained in the Codex Brucianus, etc. △63 G3

### △73 Sufism

JALALUDDIN RUMI. Mathnawi, ed. ... tr. and comm. by Reynold A. Nicholson. V. 7. Containing the comm. on the first and second books. △73xG07:9 G7.1

INAYAT KHAN. Way of illumination: a guide book to the Sufi movement. △73 G7

**△8452 Mithraism**

MEAD (G. R. S.). *Mysteries of Mithra.* △8452 D7

——— *A Mithriac ritual.* △8452 D71

**△5513 Neo-Platonic Mysticism**

HERMES. *Hermetica: the ancient Greek and Latin writings which contain religious or philosophic teachings, ed. and tr. by Walter Scott. 4 V.*

△8513x1 F4.1—F4.4

EBREO (Leone). *Philosophy of love: dialoghi d'amore, tr. by F. Friedeberg-Seely and Jean H. Barnes, etc.*

△8513x160:1 G7

WHITBY (Charles J.). *Wisdom of Plotinus: a metaphysical study.* △8513 E9

**△E Occult Chemistry**

KOLISKO (L.). *Workings of the stars in earthly substances: experimental studies from the biological institute of the Goetheanum, with plates.*

△E1:1 F8

——— *Gold and the Sun: an account of experiments conducted in connection with the total eclipse of the Sun of 19th June, 1936, tr. ... by G. S. Francis.* △E1:118 G6

——— *Jupiter and tin: experimental studies from the biological institute of the Goetheanum, with plates.*

△E1:145 G2

**△J Occult Agriculture**

KOLISKO (L.). *Moon and the growth of plants.*

△J:G:7 G8

**△Y1:1 Occult Theory of Civilisation**

WOOD (Ernest). *The Seven rays: a theosophical handbook.* △Y1:1 F5

## N Fine Arts

The following are the chief divisions under which the books in Fine Arts are grouped:—

Nv	History of fine arts
N053:N24	Surrealism
N1	Architecture
N1:1	Town planning
N12	Indian architecture
N153	French architecture
N2	Sculpture
N22	Indian sculpture
N22:C	Buddhist sculpture
N221	South Indian sculpture
N241	Chinese sculpture
N243	South-eastern Asiatic sculpture
N4	Drawing and pattern work
N5	Painting
N7	Dancing
N8	Music
N82	Indian music
N821	South Indian music
N821:K	Carnatic music
N821:Kw	Biographies
N821:Kx	Works
N821:K	Treatises
N85	European music
N91	Theatre

**Nv History of Fine Arts**

Nawrath (Alfred). Indien und China: Meisterwerke der Baukunst und Plastik, mit 208 Abbildungen und einer Karte. Nv4:J6 113G8

Minamoto (H.). An illust. history of Japanese art, tr. by Harold G. Henderson. Nv42:M6 G5

Blum (Andre S.). Short history of art from prehistoric times to the present day ..., tr. by R. R. Tatlock. Nv5:N0 F6

Bossert (H. Th.), *etc.* Hellas and Rome: the civilisation of classical antiquity. Nv52:D6 G6

Ranke (Hermann). *Ed.* Art of ancient Egypt: architecture, sculpture, painting, applied art. Nv671:D2 G6

Rolland (Romain). Vie de Michel-Ange. NwI75 122G6

**N053:N24 Surrealism**

Barr (Alfred H.). *Jr. Ed.* Fantastic art dada surrealism: essays by Georges Hugnet. N053:N24 G7

**N1 Architecture**

Valery (Paul). Eupalinos ou l'architecte precede de l'ame et la danse. N1z62 122G8

Pond (Irving K.). The meaning of architecture: an essay in constructive criticism. N1 E8

Fletcher (Banister). The romance of architecture. N1 F9

——— Architecture and its place in general education. N1 G0

Meyer (Franz Sales). A handbook of ornament, rev. by Hugh Stannus. N1::99 G4

**N1:1 Town Planning**

GIBBON (Gwilym). Problems of town and country planning. N1:1:X:8:3:N3 G7

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SHAND (P. Morton). Modern theatres and cinemas.

N1:9N95 G0

CATHEDRALE de Chartres.

N1:9Q6h53:E84 G4

**N12 Indian Architecture**

HAVELL (E. B.). The ancient and medieval architecture of India: a study of Indo-Aryan civilization.

N12v2:E1 E5

FERGUSON (James). History of Indian and eastern architecture, rev. and ed., with additions, Indian architecture by James Burgess and eastern architecture by R. Phene Spiers. 2 V.

N12v2:L9 E0.1—E0.2

**N153 French Architecture**

PARIS ville d'art.

N153h G1

**N2 Sculpture**

MAANDBLAD voor beeldende kunsten. J. 14— 1937—

N2m5962:N24

**N22 Indian Sculpture**

CHANDA (Ramaprasad). Medieval Indian sculpture in the British Museum, etc

N22v2:E0 G6

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## O Literature

The following are the chief divisions under which the books in Literature are grouped:—

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O2	Drama (General)
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O:w	Biographies
O:x	Selections
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O:1x	Anthologies
O:1:9	Criticism of English poetry
O:1:90P	English prosody

*Individual poets arranged chronologically.*

<b>O:1F70</b>	<b>Layamon</b>
O:1G20	<i>The owl and the nightingale</i>
O:1G25	<i>Floris and Blanche-flour</i>
O:1H29	Langland
<b>O:1H40</b>	<b>Chaucer</b>
O:1H95	<i>Piers plowman</i>
<b>O:1J52</b>	<b>Spenser</b>
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<b>O:1K08</b>	<b>Milton</b>
O:1K13	Crashaw
<b>O:1K31</b>	<b>Dryden</b>
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O:1L16	Gray
O:1L31	Cowper

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O:1L70	Wordsworth
O:1L72	Coleridge
O:1L92	Shelley
O:1L93	Keats
O:1L931	Clare
O:1M02	Emerson
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O:1M09	Tennyson
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O:1M595	Havelock Ellis
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O:1M641	A. E.
O:1M705	Vasudeva Rao
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O:1M805	Brantom
O:1M841	Drinkwater
O:1M851	Ezra Pound
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O:1N021	Roy Campbell
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<b>O:2J73</b>	<b>Ben Jonson</b>
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O:2K24	Roger Boyle
<b>O:2K31</b>	<b>Dryden</b>
O:2L171	Garrick
O:2L32	George Colman
<b>O:2M57</b>	<b>Bernard Shaw</b>
O:2M60	Barrie
<b>O:2M651</b>	<b>Yeats</b>
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*Individual poets arranged chronologically.*

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<b>O35:6</b>	<b>Telugu prose</b>
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### O Literature (General)

HARVEY (Paul). *Comp. and Ed.* Oxford companion to classical literature. Ok G7

NEW directions in prose and poetry. 1937—

Oxm73:N36

BENHAM (Gurney). Benham's book of quotations, proverbs and household words, etc. Ozm6 G6

### O19 Poetical Criticism (General)

CAUDWELL (Christopher). *Pseud.* (i.e. Christopher St. John Sprigg.) Illusion and reality: a study of the sources of poetry. O190S G7

**O2 Drama (General)**

CLARK (Barrett H.). Study of the modern drama: a handbook for the study and appreciation of typical plays, European, English and American of the last three-quarters of a century. O2aN3 G8

WILSON (N. Searlyn). European drama O2vN3 G7

SCHLEGEL (Augustus William). A course of lectures on dramatic art and literature, tr. by John Black, rev. ... by A. J. W. Morrison. O29xL67 A

AESOP, *etc.* Fables. O3xM2 G6

DREWRY (Louisa). On the study of language and literature. O9 A

**O: English Literature****O:v History**

GREEN (F. C.). Minuet: a critical survey of French and English literary ideas in the eighteenth century.

O:vL9 G5

GRONDAHL (Illit). Land marks of English literature: a brief survey. O:vN3 G8

**O:w Biographies**

THOMAS (Edward). Literary pilgrim in England.

O:wM7 G7

EGLINTON (John). Irish literary portraits.

O:wM8 G5

**O:x Selections**

MACAULAY (Rose). *Sel.* Minor pleasures of life.

O:xM8 G4

ROBERTS (Michael). *Ed.* New country: prose and poetry by the authors of new signatures. O:xM9 G31

**O:1 English Poetry****O:1x Anthologies**

GREENE (Richard Leighton). *Ed.* Early English carols.

O:1xJ2 G5

ADAMSON (Margot Robert). *Sel.* Treasury of middle English verse.

O:1xJ2 G0

COWLING (George H.). *Ed.* Outline of English verse.

O:1xM2 G5

AUDEN (W. H.), *etc.* *Comps.* Poet's tongue: an anthology.

O:1xN0 G7

NICHOLSON (D. H. S.), *etc.* *Sels.* Oxford book of English mystical verse.

O:1x0△ G2

**O:1:9 Criticism of English Poetry**

SHINE (Hill). Carlyle's fusion of poetry, history and religion by 1834.

O:1:9xL95:9 G8

GORDON (George). Poetry and the moderns: inaugural lecture delivered before the University of Oxford, 3 December 1934.

O:1:9z7 G5

DAICHES (David). Place of meaning in poetry.

O:1:9 G52

HAMILTON (G. Rostrevor). Poetry and contemplation: a new preface to poetics.

O:1:9 G7

IMAM (Syed Mehdi). Poetry of the invisible: an interpretation of the major English poets from Keats to Bridges, *etc.*

O:1:90△:8 G7

**O:1:90P English Prosody**

BREWER (R. F.). Orthometry: art of versification and the technicalities of poetry, with a new and complete rhyming dictionary.

O:1:90P G7

- HENDREN (J. W.). A study of ballad rhythm, with sp.  
ref. to ballad music. O:1:90P:1 G6
- 

- LEWIS (C. S.). Allegory of love: a study in medieval  
tradition. O:1:90S:55 G8

- LAWRENCE (William Witherle). Medieval story and the  
beginning of the social ideals of English-speaking  
people. O:1:90Y G1

### Applied Criticism

- BARTLETT (Adeline Courtney). Larger rhetorical pat-  
terns in Anglo-Saxon poetry. O:1:9H1 G5

- SMITH (David Nichol). Some observations on eighteenth  
century poetry. O:1:9L5 G7

- UNIVERSITY OF CALIFORNIA. DEPARTMENT OF ENGLISH.  
Essays in criticism, second series. O:1:9L8 G4

- PALMER (Herbert). Post Victorian poetry. O:1:9M9 G8

### Individual Poets

*(Arranged in chronological order)*

- VISSER (G. J.). Layamon: an attempt at vindication. O:1F70:9 G7

- GRATTAN (J. N. G.), *etc.* Eds. The owl and the  
nightingale. O:1G20 G5

- TAYLOR (A. B.). Ed. Floris and Blancheflour: a middle-  
English romance, from the Trentham and Auchin-  
leck mss. O:1G25 G7

- JAMES (Stanley B.). Back to Langland. O:1H29:9 G5

### O:1H40 Chaucer

- CHAUCER (Geoffrey). Book of Troilus and Criseyde, ed.  
by Robert Kilburn Root. O:1H40:5 G0

BRONSON (Bertrand H.). Chaucer's hous of fame: another hypothesis. O:1H40:81:9 G4

——— In appreciation of Chaucer's parlement of foules. O:1H40:82:9 G5

WHITING (Bartlett Jere). Chaucer's use of proverbs. O:1H40:90P G4

BOKENHAM (Osbern). Legendys of hooly wummen, ed. by Mary S. Serjeantson. O:1H92:1 G8

### O:1H95 Piers Plowman

CARNEGIE (F. A. R.). An attempt to approach the C-text of Piers the plowman. O:1H95 G4

DUNNING (T. P.). Piers plowman: an interpretation of the A-text. O:1H95:9 G7

HENRYSON (Robert). Testament of Cresseid, ed. by Bruce Dickens. O:1I30:3 G1

### O:1J52 Spenser

ATKINSON (Dorothy F.). Edmund Spenser: a bibliographical supplement. O:1J52a G7

BHATTACHERJE (Mohinimohan). Platonic ideas in Spenser, etc. O:1J52:90R G5

FOWLER (Earle B.). Spenser and the system of courtly love. O:1J52:90S:5 G5

COFFIN (Charles Monroe). John Donne and the new philosophy. O:1J72:90R G7

### O:1K08 Milton

BRADSHAW (John). Concordance to the poetical works of John Milton. O:1K08k C4

TAYLOR (George Coffin). Milton's use of Du Bartas. O:1K08:4:90z G4

PARKER (William Riley). Milton's debt to Greek tragedy  
in *Samson Agonistes*. O:1K08:6:9 G7

TILLYARD (E. M. W.). Miltonic setting: past and  
present. O:1K08:9 G8

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WALLERSTEIN (Ruth C.). Richard Crashaw: a study in  
style and poetic development. O:1K13:9 G5

### O:1K31 Dryden

DRYDEN (John). Hymns attributed to John Dryden, ed.  
... by George Rapall Noyes and George Reuben  
Potter. O:1K31x G7

BREDVOLD (Louis I.). The intellectual milieu of John  
Dryden: studies in some aspects of seventeenth-  
century thought. O:1K31:9 G4

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ABBOT (Edwin). Concordance to the works of Alexander  
Pope, etc. O:1K88k A

WILLIAMS (Marjorie). William Shenstone: a chap. in  
eighteenth century taste. O:1L14w G5

KETTON-CREMER (R. W.). Thomas Gray.  
O:1L16w G5

HARTLEY (Lodwick C.). William Cowper: humanitarian.  
O:1L31:90Y1 G8

### O:1L59 Burns

CUTHBERTSON (John). Complete glossary to the poetry  
and prose of Robert Burns, etc. O:1L59k B6

REID (J. B.). *Comp.* and *Ed.* Complete word and  
phrase concordance to the poems and songs of  
Robert Burns, etc. O:1L59k B9

ROSS (John D.). A Burns handbook. O:1L59k G1

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O:1L70x      ENG. POETRY: ROMANTIC PERIOD

WORDSWORTH (William). Poetical works, etc., [along with] Tutin (J. R.): Wordsworth dictionary of persons and places with the familiar quotations from his works, and an index to the animal and vegetable kingdoms of Wordsworth.

O:1L70x B5

POTTER (Stephen). Coleridge and S. T. C.

O:1L72:9 G8

**O:1L92 Shelley**

ELLIS (F. S.). *Comp.* Lexical concordance to the poetical works of Percy Bysshe Shelley, etc.

O:1L92k G2

COWLING (George). Shelley and other essays.

O:1L92w G6

WHITE (Newman Ivey). Unextinguished hearth: Shelley and his contemporary critics.

O:1L92:9v3:M2 G8

FIRKINS (Oscar W.). Power and elusiveness in Shelley.

O:1L92:9 G7

BARNARD (Ellsworth). Shelley's religion.

O:1L92:90Q G7

**O:1L93 Keats**

KEATS (John). Autobiography, comp. from his letters and essays by Earle Vonard Weller, etc.

O:1L93w G3

HEWLETT (Dorothy). Adonais: a life of John Keats.

O:1L93w G7

BROWN (Charles Armitage). Life of John Keats, ed. ... by Dorothy Hyde Bodurtha and Willard Bissell Pope.

O:1L93w G71

CLARE (John). Poems, ed. with an introd. by J. W. Tibble. 2 V.

O:1L931x G5.1—G5.2

HUBBELL (George Shelton). Concordance to the poems  
of Ralph Waldo Emerson. O:1M02*k* G2

SHACKFORD (Martha Hale). E. B. Browning; R. H.  
Horne: two studies. O:1M032:9 G5

CURRIER (Thomas Franklin). A bibliography of John  
Greenleaf Whittier. O:1M071*a* G7

BAKER (Arthur E.). Tennyson dictionary: the characters  
and place-names contained in the poetical and  
dramatic works of the poet, alphabetically arranged  
and described with synopses of the poems and  
plays. O:1M09*k* E5

### O:1M12 Browning

BROWNING (Robert) and WEDGWOOD (Julia). Letters: a  
broken friendship as revealed in their letters, ed.  
by Richard Curle. O:1M12*w* G7

DEVANE (William Clyde). Browning handbook.  
O:1M12:9 G7

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HOUSMAN (Laurence). A. E. H.: some poems, some  
letters and a personal memoir by his brother.  
O:1M592*w* G7

ELLIS (Havelock). Poems, sel. by John Gawsworth, etc.  
O:1M595*x* G7

### Modern English Poets

MITTER (Sushil Chandra). La pensee de Rabindranath  
Tagore. O:1M61:9 122G0

EGLINTON (John). A memoir of A E, George William  
Russell. O:1M641*w* G7

VASUDEVA RAO (B.). Of here and hereafter and other  
poems. O:1M705:11 G7

TREVELYAN (R. C.). Beelzebub and other poems.  
O:1M724:11 G5



- BRANTOM (William). War no more and various verses.  
O:1M805x G6
- DRINKWATER (John). Collected poems. V. 3.  
O:1M841x F3.3
- POUND (Ezra). Fifth decad of cantos.  
O:1M851:25 G7
- BLUNDEN (Edmund). An elegy and other poems.  
O:1M96:31 G7

### Post-War Younger Poets

- CAMPBELL (Roy). Broken record: reminiscences.  
O:1N021w G4
- Mithraic emblems: poems. O:1N021:24 G6
- BARKER (George). Calamiterror. O:1N031:1 G7
- LEHMANN (John). Noise of history. O:1N04:11 G4
- LUCAS (Hedley). See you a city. O:1N052:11 G7
- SPENDER (Stephen). Poems. O:1N09x G5
- Vienna. O:1N09:11 G4

### O:2 English Drama

- BEST one-act plays 1937. O:2xm3:N31
- EIGHT new one-act plays, ed. by John Browne. Series 2—  
1934— O:2xm3:N33

### O:2:9 Criticism of English Drama

- GRANVILLE-BARKER (Harley). On poetry in drama.  
O:2:9z7 G7

### Applied Criticism

- WITHINGTON (Robert). Excursions in English drama.  
O:2:9J6 G7
- ELIOT (T. S.). Elizabethan essays. O:2:9J8 G4

- LAWRENCE (W. J.). Speeding up Shakespeare: studies of the bygone theatre and drama. O:2:9J8 G7
- KNIGHTS (L. C.). Drama and society in the age of Jonson. O:2:9J9 G7
- DREW (Elizabeth). Discovering drama. O:2:9M8 G7

### Individual Dramatists

*(Arranged in chronological order)*

- HEYWOOD (John). [Works, ed.] by R. Dela Bere. O:2I97x G7
- TENNEY (Edward Andrews). Thomas Lodge. O:2J57w G5
- BAKELESS (John). Christopher Marlowe: the man in his time. O:2J63w G7

### O:2J64 Shakespeare

- EBISCH (Walther), *etc.* Shakespeare bibliography: suppl. for the years 1930-1935. O:2J64aN2 G1—1
- CUNLIFFE (Richard John). A new Shakespearean dictionary. O:2J64k G6
- PASCAL (R.). Shakespeare in Germany. 1740—1815. O:2J64v55:M1 G7
- FRIPP (Edgar I.). Shakespeare: man and artist. 2 V. O:2J64w G8.1—G8.2

### O:2J64:51:9 Hamlet—Criticism

- EWING Fayette (C.). Hamlet: an analytic and psychology study. O:2J64:51:9 G4
- SCHUCKING (Levin L.). Meaning of Hamlet, tr. by Graham Rawson. O:2J64:51:9 G71
- BROCK (J. H. E.). Dramatic purpose of Hamlet. O:2J64.51:9 G52

**O:2J64:9 Shakespearean Criticism**

SCHELLING (Felix E.). Shakespeare biography and other papers chiefly Elizabethan. O:2J64:9z7 G7

HART (Alfred). Shakespeare and the homilies and other pieces of research into the Elizabethan drama.

O:2J64:9 G45

SPRAGUE (Arthur Colby). Shakespeare and the audience: a study in the technique of exposition.

O:2J64:9 G52

RIDLEY (M. R.). Shakespeare's plays: a commentary.

O:2J64:9 G7

CHARLTON (H. B.). Shakespearian comedy.

O:2J64:9 G8

ELLIS-FERMOR (Una). Some recent research in Shakespeare's imagery. O:2J64:90P:75 G7

**O:2J64:90 Shakespearean Criticism  
from Special Points of View**

STOLL (Elmer Edgar). Shakespeare's young lovers.

O:2J64:90S:55 G7

CLARK (Cumberland). Shakespeare and home life.

O:2J64:90Y1 G5

**Other Elizabethan Dramatists**

JONSON (Ben). Collected works, ed. by C. H. Herford and Percy Simpson. V. 5—6.

O:2J73x F5.5—F5.6

MARSTON (John). The plays, ed. ..., by H. Harvey Wood. V. 2.

O:2J75x G4.2

McKEITHAN (Daniel Morley). Debt to Shakespeare in the Beaumont and Fletcher plays. O:2J84:9 G8

BOYLE (Roger), (*i.e.* Earl of Orrery). Dramatic works, ed. by William Smith Clark, 11. 2 V.

O:2K24x G7.1—G7.2

ALLEN (Ned Bliss). Sources of John Dryden's comedies.  
O:2K31:90z G5

STEIN (Elizabeth P.). David Garrick, dramatist.  
O:2L171:9 G7

PAGE (Eugene R.). George Colman, the elder: essayist,  
dramatist, and theatrical manager, 1732—1794.  
O:2L32w G5

### Modern English Drama

#### O:2M57 Bernard Shaw

HENDERSON (Archibald). Bernard Shaw: playboy and  
prophet. O:2M57w G2

HACKETT (J. P.). Shaw: George versus Bernard.  
O:2M57:9 G7

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BARRIE (J. M.). Greenwood hat; being a memoir of  
James Anon, 1885—1887, etc. O:2M60w G7

ROY (James A.). James Matthew Barrie: an apprecia-  
tion. O:2M60w G7

YEATS (W. B.). Wheels and butterflies.  
O:2M651:51 G4

—— The Herne's egg: a stage play.  
O:2M651:52 G8

HOUSMAN (Laurence). Golden sovereign.  
O:2M68:51 G7

### Post-War Drama

AUDEN (W. H.) and ISHERWOOD (Christopher). On the  
frontier: a melodrama in three acts.  
O:2N071:I2 G8

SPENDER (Stephen). Trial of a judge: a tragedy in five  
acts. O:2N09:11 G8

**O:3 English Fiction**

BAKER (Ernest A.). History of the English novel. V. 7.  
Age of Dickens and Thackeray. O:3vM6 G6

——— V. 8. From the Brontes to Meredith:  
Romanticism in the English Novel. O:3vM9 G7

——— V. 9. The day before yesterday.  
O:3vN0 G8

LAS VERGNAS (Raymond). Chesterton, Belloc, Baring,  
tr. by C. C. Martindale. O:3:9M7 G8

**Individual Novelists**

*(Arranged in Chronological Order).*

LEACH (MacEdward). *Ed.* Amis and Amiloun.  
O:3H18 G7

SUTHERLAND (James). Defoe. O:3K61w G7

SALE (William Merritt). Samuel Richardson: a bibliographical record of his literary career with historical notes. O:3K89a G6

TOURTELLOT (Arthur Bernon). Be loved no more: the life and environment of Fanny Burney, etc.  
O:3L52w G8

SCOTT (Walter). Journal. 1825—1832. 2 V.  
O:3L71w G6.1—G6.2

TAIT (J. G.). Sir Walter Scott's journal and its editor.  
O:3L71w G6.2—1

AUSTEN-LEIGH (Emma). Jane Austen and Stevenson.  
O:3L75w G7

MUDGE (Isadore Gilbert), *etc.* Thackeray dictionary, *etc.*  
O:3M11k E0

- GULLIVER (Harold Strong). Thackeray's literary apprenticeship, etc. O:3M11:9 G4
- PIERCE (Gilbert A.). Dickens dictionary, a key to the characters and principal incidents in the tales of Charles Dickens with additions by William A. Wheeler. O:3M12k A
- WHITE (W. Bertram). *Miracle of Haworth: a Bronte study.* O:3M16w G7
- BRONTE (Charlotte) and BRONTE (Patrick Branwell). *Miscellaneous and unpublished writings. V. 2.* O:3M16x G6.2
- MUDGE (Isadore Gilbert), *etc.* A George Eliot dictionary: the character and scenes of the novels, stories and poems alphabetically arranged. O:3M20k F4
- WOODS (Alice). George Meredith as champion of women and of progressive education. O:3M29:90Y115 G7
- RUTLAND (William R.). Thomas Hardy: a study of his writings and their background. O:3M40:9 G8
- ARKELL (Reginald). Richard Jefferies. O:3M48w G3
- FERGUSON (Walter D.). The influence of Flaubert on George Moore. O:3M52:90O122 G4
- CONRAD (Joseph). Prefaces to his works, with an introd. essay by Edward Garnett and a biographical note on his father by David Garnett. O:3M58:9 G7
- MACMUNN (George). Rudyard Kipling: craftsman. O:3M64:9 G8
- DREISER (Theodore). A history of myself. 2 V. O:3M712w F9.1—F9.2
- Twelve men. O:3M712:32 G0
- CHESTERTON (Gilbert Keith). Autobiography. O:3M74w G7
- SMYTH (Ethel). Maurice Baring. O:3M741:9 G8

**O:3M742 Maugham**

MAUGHAM (W. Somerset). Summing up.

O:3M742w G8

CORDELL (Richard A.). W. Somerset Maugham.

O:3M742:9 G7

WARD (Richard Heron). William Somerset Maugham.

O:3M742:9 G71

REID (Forrest). Peter Waring.

O:3M763:11 G7

SINCLAIR (Upton). No Pasaran: They shall not pass: a  
story of the Battle of Madrid.

O:3M782:64 G7

——— Manassas: a novel.

O:3M782:65 G7

MACAULAY (Rose). Writings of E. M. Forster.

O:3M80:9 G8

TSCHIFFELY (A. F.). Don Roberto, being the account of  
the life and works of R. B. Cunninghame Graham,  
1852—1936.

O:3M82w G7

JOYCE (James). Ulysses.

O:3M83:13 G7

SITWELL (Edith). I live under a black sun: a novel.

O:3M872:11 G7

BECK (L. Adams). House of fulfilment: a romance of  
the soul.

O:3M884:11 G6

**Post-War Fiction**ELWIN (Verrier). Phulmat of the hills: a tale of the  
Gonds.

O:3M925:12 G7

LEWIS (Wyndham). Blasting and bombardiering.

O:3M962w G7

PROKOSCH (Frederic). The Asiatics.

O:3N051:11 G7

——— The seven who fled: a novel.

O:3N051:12 G7

INNES (Michael). Hamlet, revenge?: a story in four parts.

O:3N062:12 G7

SAROYAN (William). The Daring young man on the flying trapeze and other stories.

O:3N081:11 G7

SPENDER (Stephen). Burning cactus.

O:3N09:11 G6

SHELLABARGER (Samuel). Lord Chesterfield.

O:4K94w G5

## O:6 English Prose

### O:6x Selections

WITHINGTON (Robert). *Ed.* Essays and characters: Montaigne to Goldsmith.

O:6xL2 G3

GEORGE (Daniel). *Coll.* A peck of troubles or an anatomy of woe, etc.

O:6xM6 G6

### Individual Prose-Writers

*(Arranged in Chronological Order)*

ROLLE (Richard). English writings, ed. by Hope Emily Allen.

O:6H02x G1

BEATTIE (Lester M.). John Arbuthnot: mathematician and satirist.

O:6K68:9 G5

JOHNSON (Samuel). Prefaces and dedications, [*comp.*] by Allen T. Hazen.

O:6L09x G7

—— (Edith Christina). Lamb always Elia.

O:6L76w G51

MACCARTHY (Desmond). Leslie Stephen.

O:6M322:9 G7

SYMONS (Arthur). Study of Walter Pater.

O:6M39:9 G2

A. E. *Pseud.* (*i.e.* George William Russell) Living torch, ed. by Monk Gibbon, with an introd. essay.

O:6M641:4 G7

WELLS (H. G.). World brain.

O:6M661:72 G8



O:6M843:22      ENG. LITERARY CRITICISM

SQUIRE (John). Reflections and memories.

O:6M843:22    G5

POUND (Ezra). Polite essays.

O:6M851:11    G7

——— Guide to kulchur.

O:6M851:12    G8

SITWELL (Osbert). Penny foolish: a book of tirades and  
panegyrics.

O:6M925:12    G5

## O:9 English Literary Criticism

*(From Special Points of View)*

MATTHIESSEN (F. O.). Translation: an Elizabethan art.

O:90P:5    G1

ELIOT (T. S.). After strange gods: a primer on modern  
heresy.

O:90Q    G4

MACLEAN (Kenneth). John Locke and English literature  
of the eighteenth century.

O:90RzK31    G6

DAICHES (David). Literature and society.

O:90Y1    G8

MURRY (John Middleton). Heaven— and earth.

O:90Y1:1    G8

EMPSON (William). Some versions of pastoral.

O:90Y131    G5

ALEXANDER (Calvert). Catholic literary revival: three  
phases in its development from 1845 to the  
present.

O:90Y19Q62    G3

## Applied Literary Criticism

CRUSE (Amy). Victorians and their books. (*Published  
in U.S.A. as The Victorians and their readings*).

O:9M5    G51

INGE (W. R.). Modernism in literature.

O:9M8    G71

WALDOCK (A. J. A.). James Joyce, and others.

O:9M8    G72

- SPENDER (Stephen). Destructive element. O:9M8 G8
- LEACOCK (Stephen). Humour and humanity: an introd.  
to the study of humour. O:9M9 G7
- DAICHES (David). New literary values: studies in  
modern literature. O:9M9 G6

## O113 German Literature

### O113:1 German Poetry

- CLOSS (A.). Genius of the German lyric: an historic  
survey of its formal and metaphysical values.  
O113:1vN3 111G8
- GOETHE (Johann Wolfgang von). Sammtliche Werke.  
Bds. 3—12; 15—22; 25—40. (Bound in 17 vols).  
O113:1L49x A.1—A.17
- STAWELL (F. Melian), *etc.* Goethe and Faust: an inter-  
pretation, with passages newly tr. into English  
verse. O113:1L49:1:9 111F8
- UNTERMAYER (Louis). Heinrich Heine.  
O113:1L97w 111G8
- HEINE. Book of songs, tr. by John Todhunter.  
O113:1L97x 111D7

### O113:2 German Drama

- LESSING (Gathhold Ephraim). Gesammelte Werke. 6B.  
O113:2L29x F1.1—F1.6
- GARLAND (H. B.). Lessing, the founder of modern  
German literature. O113:2L29:9 113G7

### O113:3 German Fiction

- CERF (Bennett A.). *Ed.* Great German short novels  
and stories. O113:3xM8 111G3
- KELLER (Gottfried). Gesammelte Werke. 5 B.  
O113:3M19x F1.1—F1.5

**O115 Norwegian Literature**

UNSET (Sigrid). Wild orchid, tr. by Arthur G. Chater.

O115:3M82:33 111G2

—— Burning bush, tr. by Arthur G. Chater.

O115:3M82:34 111G2

—— Faithful wife, tr. by Arthur G. Chater.

O115:3M82:44 111G7

**O12 Latin Literature**

MANILI (M.). Astronomicon, ed. by A. E. Housman.

5 Libers. O12:1D02:1 G7.1—G7.5

McCREA (Nelson Glenn). Literature and liberalism with other classical papers, etc. O12:9xM63 111G61

**O121 Italian Literature**

ROBB (Nesca A.). Neoplatonism of the Italian renaissance. O121:vJ6 111G5

**O121:1G65 Dante**

DANTE (Alighieri). Vita nuova and Canzoniere.

O121:1G65w 111G3

—— Inferno, with a tr. into English triple rhyme by Laurence Binyon. O121:1G65:1 111G3

—— Divine comedy. 3 V.

O121:1G65:1 111G7.1—G7.3

—— Convivio.

O121:1G65:2 111G1

**O121:2 Italian Drama**

LEA (K. M.). Italian popular comedy: a study in the commedia dell'arte, 1560—1620, with sp. ref. to the English stage. 2 V.

O121:2vK2 111G4.1—G4.2

STARKIE (Walter). Luigi Pirandello, 1867—1936.

O121:2M67:9 111G7

**O121:3 Italian Fiction**

- BOCCACCIO (Giovanni). Early English versions of the tales of Guiscardo and Ghismonda and Titus and Gisippus from the Decameron, ed. by Herbert G. Wright. O121:3H13x 111G7

**O122 French Literature****O122:v History**

- MAYNIAL (Edouard). L'époque realiste. O122:vM8 G1
- ALAIN. *Pseud.* (i.e. Emile Auguste Chartier). Propos de littérature. O122:vM8 G4
- BILLY (Andre). Les écrivains de combat. O122:vN0 G1
- LANSON (Gustave). Histoire de la littérature Française. O122:vN0 G8
- LALOU (Rene). Histoire de la littérature Française contemporaine 1870 à nos jours. O122:vN2 G1
- 
- PARIS (Gaston). Recits extraits des poètes et prosateurs du moyen âge mis en Français moderne. O122:xK9 G6

**O122:1 French Poetry**

- CHARPENTIER (John). L'évolution de la poésie lyrique: De Joseph Delorme à Paul Claudel. O122:1vN2 G0
- THERIVE (Andre). Le Parnasse. O122:1xM7 F9
- ANTHOLOGIE de la nouvelle poésie Française. O122:1xM9 G0
- LALOU (Rene). Vers une alchimie lyrique: saint Beuve, Aloysius Bertrand, Gérard de Nerval, Baudelaire. O122:1:9M2 F7

**Individual French Poets***(Arranged in Chronological Order)*

RONSDARD (Pierre de). Sonnets pour Helene, with  
English renderings by Humbert Wolfe.

O122:1J24x G4

CHATEAUBRIAND (Francois Rene de). Memoires d'outre  
Tombe, ed. by Paul Gautier.

O122:1L68w G6

VIGNY (Alfred de). Poemes: poemes antiques et modernes,  
poems philosophiques.

O122:1L97x G5

HUGO (Victor). Les chatiments.

O122:1M02:11 F3

—— La legende des siecles. 4 T.

O122:1M02:12 F7.1—F7.4

BAUDELAIRE (Charles). Morceaux choisis: poemes et  
proses. Introd. et notes par Y. G. Le Dantec.

O122:1M21x F9

SOUPAULT (Philippe). Baudelaire.

O122:1M21:9 G1

MALLARME (Stephane). Poesies.

O122:1M42x G7

VERLAINE (Paul). Oeuvres completes. 5 T.

O122:1M45x F3.1—F3.5

—— Oeuvres posthumes. 3 T.

O122:1M45x F7.1—F7.3

LAUTREAMONT (Comte de). (*i.e.* Isidore Ducasse).

Oeuvres completes: Les chants de Maldoror, poesies  
and lettres, ed. by Edmond Jaloux.

O122:1M46x G7

FONDANE (Benjamin). Rimbaud le voyou.

O122:1M54w G3

STARKIE (Enid). Arthur Rimbaud in Abyssinia.

O122:1M54w 111G7

GIDE (Andre). Les nourritures terrestres.

O122:1M69:14 F1

VALERY (Paul). Poesies.

O122:1M71x G6

BOSANQUET (Theodora). Paul Valery.

O122:1M71:9 111G3

ELUARD (Paul). Capitale de la Douleur: repetitions,  
mourir de ne pas nourrir, les petits justes nouveaux  
poemes.

O122:1M73x F6

## O122:2 French Drama

DE SMET (Robert). Le theatre romantique: Victor Hugo,  
Alexander Dumas, Alfred de Vigny, Alfred de  
Musset.

O122:2:9M1 F9

## Individual French Dramatists

*(Arranged in Chronological Order)*

MOLIERE (Jean-Baptiste Poquelin). Theatre choisi ...  
ed. by Ernest Thirion.

O122:2K22x G6

CORNEILLE (Pierre). Theatre choisi, avec notices et anno-  
tations par Paul Desjardins, etc.

O122:2K25x G7

RACINE (Jean). Theatre complet, ed. by N. M. Ber-  
nardin. 4 T.

O122:2K39x B2.1—B2.4

—— Theatre choisi ... ed. by G. Lanson.

O122:2K39x G5

MARIVAUX (Piere Carlet de Chamblain de). Theatre. 2 V.

O122:2K88x G0.1—G0.2

MIRBEAU (Octave). Les affaires sont les affaires.

O122:2M48:3 G1

MAETERLINCK (Maurice). L'oiseau bleu.

O122:2M62:11 G6

—— Betrothal or the blue bird chooses, ... by  
Alexander Teixeira de Mattos.

O122:2M62:14 111F1

CLAUDEL (Paul). L'Annonce faite a Marie.

O122:2M67:11 G8

—— L'otage.

O122:2M67:12 G5

- MADAULE (Jacques). Le drama de Paul Claudel, etc.  
O122:2M67:9 G6
- ROSTAND (Edmond). Cyrano de Bergerac, etc.  
O122:2M68:22 C7
- Cyrano de Bergerac, tr. by Brian Hooker, etc.  
O122:2M68:22 111F3
- GIRAUDOUX (Jean). La Guerre de Troie N'Aura pas lieu.  
O122:2M82:11 G5
- ROMAINS (Jules). Theatre. V. 1. Knock ou le triomphe  
de la medecine; M. Le Trouha dec saisi par la  
debauche. O122:2M852:11 G8
- COCTEAU (Jean). Orphee: a tragedy in one act and an  
interval, tr. by Carl Wildman.  
O122:2M91:12 111G3

### O122:3 French Fiction

- HYTIER (Jean). Les romans de l'individu: Constant,  
Sainte-Beuve, Stendhal, Merimee, Fromentin, etc.  
O122:3:9M2 F8

### Individual French Novelists

*(Arranged in Chronological Order)*

- RABELAIS (Francois). Oeuvres, ed. avec notice biblio-  
graphique par Henri Clouzot. 2 T.  
O122:3I95x F6.1—F6.2
- Gargantua and Pantagruel. 2 V.  
O122:3I95x 111G2.1—G2.2
- LA FONTAINE (Jean de). Fables, contes et nouvelles, ed.  
by Edmond Pilon, etc. O122:3K21x G2
- Fables, tr. into English verse by Edward Marsh,  
with twelve reproductions from engravings by  
Stephen Gooden. O122:3K21x 111G3

- LAFAYETTE (Madame de). *La princesse de Cleves*, ed. par Albert Cazes. O122:3K34:1 G4
- VOLTAIRE (F. Arouet De). *Romans et contes*. O122:3K94x G8
- PREVOST (L'Abbe). *Histoire du Chevalier des Grieux et de Mamon Lescout*. O122:3K97:1 G6
- ROUSSEAU (J. J.). *Les confessions; les reveries du promeneur solitaire*, ed. by Louis Martin-chauffier. O122:3L12w G3
- CONSTANT (Benjamin). *Adolphe: Le Cahier Rouge*. O122:3L67:1 G1
- STENDHAL. *Pseud.* (*i.e.* Henri Beyle). *Les Romans*. 3 T. O122:3L83x G2.1—G2.3
- BLUM (Leon). *Stendhal et le Beylisme*. O122:3L83:9 G0
- VIGNY (Alfred de). *Servitude et grandeur militaires*. O122:3L97:11 F5

**O122:3L99 Balzac**

- BALZAC (Honore de) and CARRAUD (Zulma). *Unpublished correspondence, 1829—1850*, tr. ..., by J. Lewis May. O122:3L99w 111G7
- *Eugenie Grandet*. O122:3L99:12 G4
- *Eugenie Grandet*, tr. by Ellen Marriage, etc. O122:3L99:12 111G0
- *Ursule mirouet*, etc. O122:3L99:17 111F5
- *Lost illusions*, tr. by Ellen Marriage, etc. O122:3L99:18 111F5
- *The quest of the absolute*, tr. by Ellen Marriage, etc. O122:3L99:22 111G6
- *At the sign of the cat and racket and other stories*, tr. by Clara Bell, etc. O122:3L99:31 111G0



BALZAC (Honore de). The atheist's mass and other stories, tr. by Clara Bell, etc.

O122:3L99:38 111F9

—— Le Pere Goriot le colonel Chabert. 2 T.

O122:3L99:44 G2.1—G2.2

—— Old Goriot, tr. by Ellen Marriage, etc.

O122:3L99:44 111G5

—— The rise and fall of Cesar Birotteau, tr. by Ellen Marriage, etc.

O122:3L99:45 111F5

—— Cousin Pons. 2 T.

O122:3L99:48 G3.1—G3.2

—— Cousin Pons, etc.

O122:3L99:48 111G3

—— The Chouans, tr. by Ellen Marriage, etc.

O122:3L99:61 111F1

—— Le cure de village.

O122:3L99:71 F5

—— The country doctor.

O122:3L99:71 111F3

—— The country parson, etc.

O122:3L99:72 111G0

—— Christ in Flanders and other stories, tr. by Mrs. Clara Bell, etc.

O122:3L99:84 111G1

—— About Catherine de Medici, tr. by Clara Bell, etc.

O122:3L99:85 111G4

### O122:3M02 Hugo

HUGO (Victor). Notre-dame de Paris. 2 V.

O122:3M02:3 G1.1—G1.2

—— Les miserables. 8 T.

O122:3M02:4 F8.1—F8.8

—— Quatrevingt-Treize. 2 T.

O122:3M02:7 F8.1—F8.2

DUMAS (Alexandre). Les trois mousquetaires. 2 T.

O122:3M03:281 G7.1—G7.2

SAND (George). Histoire de ma vie. 4 T.

O122:3M04w G2.1—G2.4

FROMENTIN (Eugene). Dominique. O122:3M20:11 G3

**O122:3M23 Flaubert**FLAUBERT (Gustave). *Madame Bovary*.

O122:3M23:3 G6

——— *Trois contes*.

O122:3M23:4 G6

——— *Salambo*, tr. by E. Powys Mathers, etc.

O122:3M23:6 111G1

DUMAS (Alexandre, *Fils*). *La dame aux camelias*, etc.

O122:3M25:11 F5

DAUDET (Alphonse). *Lettres de Mon Moulin*.

O122:3M40:11 G7

**O122:3M41 Zola**FIELDING (Hubert). *Life of Emile Zola: the authorised story of the film*.

O122:3M41w 111G8

ZOLA (Emile). *La conquete de Plassans*.

O122:3M41:23 F9

——— *L'Assommoir*. 2 T. O122:3M41:32 G4.1—G4.2——— *Germinal*. 2 T. O122:3M41:41 G3.1—G3.2——— *Money*, tr. by Ernest A. Vizetelly.

O122:3M41:51 111F3

**O122:3M44 Anatole France**FRANCE (Anatole). *Le lys rouge*. O122:3M44:13 F4——— *Le crime de Sylvestre Bonnard*.

O122:3M44:21 G5

——— *Les dieux ont soif*.

O122:3M44:53 G2

——— *Crainquebille putois, Riquet et plusieurs autres recits profitables*.

O122:3M44:63 G0

HUYSMANS (J. K.). *En route*.

O122:3M48:12 G7

MAUPASSANT (Guy de). *Contes choisis*, etc.

O122:3M50x F6

JACKSON (Stanley). Guy de Maupassant.

O122:3M50:9 111G8

COURTELINE (Georges). Messieurs les ronds-de-cuir, etc.

O122:3M59:11 G7

PREVOST (Marcel). Lettres a Francoise, etc.

O122:3M621:11 F2

BARRES (Maurice). L'Appel au soldat. 2 T.

O122:3M622:22 G1.1—G1.2

——— Un Jardin sur l'oronte. O122:3M622:82 F2

RENARD (Jules). Poil de Carotte, etc.

O122:3M64:11 G8

### O122:3M69 Gide

GIDE (Andre). Morceaux choisis. O122:3M69x G8

——— Les Caves du Vatican: sotie.

O122:3M69:14 F2

——— Les Faux-Monnayeurs: Roman.

O122:3M69:16 F5

BORDEAUX (Henry). Les Roguevillard.

O122:3M72:11 G4

### O122:3M73 Proust

PROUST (Marcel). Morceaux choisis.

O122:3M73x G7

——— La recherche du temps perdu. T. 1. Du cote  
chez swann. 2 V. O122:3M73:1 G6.1—G6.2

AMES (Van Meter). Proust and Santayana: the aesthetic  
way of life. O122:3M73:9 111G7

SPAGNOLI (John J.). Social attitude of Marcel Proust.

O122:3M73:90Y1 111G6

- COLETTE. *Pseud.* (i.e. Collette Willy). L'Envers du Music-Hall. O122:3M731:23 G3
- Le ble' en herbe. O122:3M731:32 F3
- PHILLIPPE (Charles-Louis). Charles Blanchard. O122:3M74:11 F4
- GIRAUDOUX (Jean). Bella: Histoire des Fontranges. O122:3M82:11 G7
- BLOCH (Jean-Richard). ... Et compagnie. O122:3M84:12 G7
- MAURICE (Francois). Therese Desqueyroux. O122:3M851:21 G5
- Le Noeud de Viperes. O122:3M851:23 G2
- ROMAINS (Jules). Mort de quelqu'un. O122:3M852:11 G6
- DORGELES (Roland). Le chateau des Brouillards. O122:3M86:22 G2
- FOURNIER (Alain). Le Grand Meaulnes. O122:3M861:11 G6
- BENOIT (Pierre). L'Atlantide. O122:3M87:12 F0
- BERNANOS (Georges). Journal d'un cure de campagne, etc. O122:3M881:21 G7
- CELINE (Louis-Ferdinand). Death on the instalment plan, tr. by John Marks. O122:3M882:12 111G8
- COCTEAU (Jean). Les enfants terribles. O122:3M91:11 F9
- MALRAUX (Andre). Les conquerants. O122:3M95:11 G3
- La condition humaine. O122:3M95:12 G3
- DE MONTHERLANT (Henry). Les celibataires. O122:3M96:23 G4
- DABIT (Eugene). L'Hotel du Nord. O122:3M98:11 G1

SAINT EXUPERY (Antoine de). Vol de nuit.

O122:3M99:11 G6

Giono (Jean). Un de Baumugnes. O122:3N00:12 F9

—— Song of the world, tr. by Henri Fluchere and  
Geoffrey Myers. O122:3N00:21 111G8

GUILLOUX (Louis). Le gang noir. O122:3N01:16 G5

MONTESQUIEU (Charles). Lettres persanes, ed. par lie  
Carcassonne. 2 T. O122:4K89x F9.1—F9.2

BOSSUET (Jacques-Benigne). Oraisons funebres.

O122:5K27x G5

### O122:6 French Prose

PARIS (Gaston), *etc.* Eds. Extraits des chroniqueurs  
Francais, Villehardun, Joinville, Froissart, Comines,  
*etc.* O122:6xI4 G2

MONTAIGNE (Michel De). Essais, ed. by Pierre Villey.  
3 T. O122:6J33x G0.1—G0.3

LA ROCHEFOUCAULD (Francois de). Reflexions ou sen-  
tences et maximes morales, *etc.* O122:6K13x G2

—— Maxims, tr. ..., by Louis Kronenberger.

O122:6K13x 111G6

PASCAL (Blaise). Pensees et opuscules, ed. by Leon  
Brunschvicg. O122:6K23x G7

LA BRUYERE (Jean de). Les caracteres accompagnees des  
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demie, ed. par Gaston Cayrou. O122:6K45x G6

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MAETERLINCK (Maurice). Old-fashioned flowers and  
other open-air essays, tr. by A. Teixeira de Mattos,  
*etc.* O122:6M62:44 111D6

ROLLAND (Romain). I will not rest, tr. by K. S. Shelvankar. O122:6M66:13 111G4

PEGUY (Charles). Morceaux choisis: prose, etc. O122:6M732x G6

FARGUE (Leon-Paul). Sous la lampe: suite familiere, Banalite. O122:6M78:11 G7

### O122:9 French Literary Criticism

SAINTE-BEUVE. Correspondance generale, ed. by Jean Bonnerot. 2 T. O122:9wM04 G5.1—G5.2

DEFFOUX (Leon). Le naturalisme, etc. O122:90R325 F9

JONES (P. Mansell). French introspectives from Montaigne to Andre Gide. O122:90S 111G7

### O1223 Troubadours

AUDIAU (Jean). Les troubadours et l'Angleterre: contribution a l'etude des poetes Anglais de l'amour au moyen-age, XIIIe et XIVE siecles.

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### O123 Spanish Literature

McCLELLAND (I. L.). Origins of the romantic movement in Spain. O123:vM0 111G7

LORCA (Federico Garcia). Lament for the death of a bullfighter and other poems in the original Spanish with English tr. by A. L. Lloyd.

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### O1295:3 Irish Fiction

GREGORY (Augusta). Tr. Gods and fighting men: the story of the Tuatha de Danaan and of the Fianna of Ireland, etc. O1295:3xH8 111F6

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## **O13 Greek Literature**

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CHRIST (Wilhelm). *Metrik der Griechen und Römer.*

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WILAMOWITZ-MOELLENDORFF (Ulrich V.). *Griechische  
Verskunst.*

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WEIGALL (Arthur). *Sappho of Lesbos: her life and  
times.*

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HOMER. *The story of Odysseus: a tr. into plain English  
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### **O13:2 Greek Drama**

AESCHYLUS. *Agamemnon*, tr. by Louis MacNeice...

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stage*, by W. B. Yeats.

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## **O142 Russian Literature**

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PUSHKIN (Alexander). *Ded.* Centennial essays, ed. by  
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O142:1L99j 111G7

SIMMONS (Ernest J.). *Pushkin.*

O142:1L99w 111G7

PUSHKIN (Alexander). *Works: lyrics, narrative poems,  
folk tales, plays, prose, sel. and ed. ...*, by Avrahm  
Yarmolinsky.

O142:1L99x 111G6

——— *Ded.* *Pushkin: the man and the artist, etc.*

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LERMONTOV (Michael). *The demon*, tr. by Gerard Shelley,  
etc.

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TCHHEHOV (Anton). Tales, tr. by Constance Garnett.  
V. 2—4; 7—10; 12—13.

O142:3M60x 111F0.2—F0.4; F0.7—F0.10;  
F0.12—F0.13

TOUMANOVA (Nina Andronikova). Anton Chekhov: the  
voice of twilight Russia. O142:3M60:9 111G7

GORKI (Maxim). Speeter, tr. ..., by Alexander Bakshy.  
O142:3M68:54 111G8

ARTZYBASHEFF (Boris). Seven Simeons: a Russian tale  
retold and illust. O142:3M92:11 111G7

**O15 Sanskrit Literature**

HARAPRASAD SASTRI. *Ded.* Memorial volume, ed. by  
Narendranath Law. O15:jM53 111G3

VIRARAGHAVACHARYA (E. V.). A critique on the  
'History of classical sanskrit literature' of M. S.  
Sastri. O15:vE0 35G7

KRISHNAMACHARIAR (M.), *etc.* History of classical  
Sanskrit literature, *etc.* O15:vM9 111G7

RAJA RAJA VARMA RAJA (V.). Keraliya Samskrita  
sahitya charitram: history of Sanskrit literature  
in Kerala. O15:vM9 32F8.1

**O15:1 Sanskrit Poetry**

JALHANA (Bhagadatta). Sūkti muktāvali, ed. by Embar  
Krishnamacharya. O15:1xG47 G8



**O15:1A1 Ramayana**

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RUBEN (Walter). Studien zur Textgeschichte des Ramayana. O15:1A1:90M1 113G6

**O15:1A2 Mahabharata**

TRIPATI (Sivadatta). Gadyabharatam. 2 pts. O15:1A2z5 G5.1—G5.2

ALASINGARACHARYA (M. D.). Tr. Mahabharatam. V. 3, V. 10. Pts. 3 and 4.

O15:1A2 33G1.5; 33G1.14 & 33G1.15

RAGHAVAN (V.). Greater gita. O15:1A2:9 111G8

VENKATASUBRAHMANYA SASTRY (P.). Rajasuya rahasyamu. O15:1A2:9 35G8

SURYANARAYANA SASTRI (S.). Sri Mahabharata rahasyamu. O15:1A2:9 35G81

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JOHNSTON (E. H.). Ed. The Buddhacarita or, acts of the Buddha. Pt. 1. Sanskrit text. Pt. 2. Cantos i—xiv translated from the original Sanskrit, supplemented by the Tibetan version, etc.

O15:1D11 G5.1—G5.2

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KALIDASA. Nalodaya: a Sanskrit historical poem in four books, with a comm. Subodhini, ed. by Jagannatha Sukla. O15:1D40:8 A

NARAYANA DAS (A.). Navarasa taranginhy or beauties of Shakespeare and Kalidas. O15:1D40:9 35F2

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**O15:1F00:1 Gita-Govinda**

- JAYADEVA. Gitagovinda mahakavyam: ashtapati, ed. by  
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- KUMARA KAVI. Krishnavilasam. O15:1I75:1 E4
- RAMAN NAMUDRI (E. V.). Vidwan Krishnanrishi.  
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- MAHALINGA SASTRI (Y.). Kinkinimala: a collection of  
shorter poems. First series. O15:1M97:12 G4

**O15:2 Sanskrit Drama**

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poems. O15:2xD8 111G8
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Sastri. O15:2D35:16 31G7
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charyulu. O15:2D60:3 35G6
- BHAVABHUTI. Malatimadhavam ..., ed. and tr. by C. R.  
Devadhar and N. G. Suru. O15:2D70:2 G5
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the 'Anargha-Raghava.' O15:2D78:1:9 35G7
- ANANGAHARSHA. (i.e. Srimatraraja). Tapasa vatsa raja  
natakam, ed. by Sampathkumara Ramanuja Muni.  
O15:2D90:1 F9
- NARASIMHA KAVI. Kadambari kalyanam, ed. by V.  
Krishnamacharya. O15:2H23:11 G6

**O15:3 Sanskrit Fiction**

DANDIN. Dasha-kumara-charita: the ten princes, tr. ...,  
by Arthur W. Ryder. O15:3D63:1 111F7

**Sanskrit Literary Criticism**

BHAMAHA. Kavyalankara, with Udayana vritti, a lucid  
comm., English and Sanskrit introd. index, and an  
appendix dealing with Alankarikas, by D. T.  
Tatacharya, etc. O15:9x2 G4

—— Kavyalankara, tr. by T. V. Naganatha Sastry.

O15:9x2 111F7

DANDIN. Kavyadarsa, ed. with an original comm. by  
Rangacharya Raddi Shastri. O15:9x3 G8

MAMMATA. Kavyaprakasa, with the comm. Adarsa of  
Maheswara, ed. by Amarendramohan and Upendra  
Mohan, etc. O15:9x8 G6

RAJANAKA KUNTAKA. Vakroti-jivita: a treatise on  
Sanskrit poetics, with his own comm., ed. ..., by  
Sushil Kumar De. O15:9xE50 F8

BHOJADEVA. Srīngaraprakasa, ed. by Sampat Kumara  
Ramanuja Muni. Pt. 1. O15:9xE55:2 F6.1

JAYADEVA. Chandraloka: Alamkaraprakarana, tr. by  
C. Sankara Rama Sastri. Mayuka. 5.

O15:9xH10 111G6

**O152 Hindi Literature**

SRINIVASA SARMA (D.). Tulasidasa charitramu. Pt. 1.

O152:1J32w 35G8

TULSIDAS. Book of Ram: the Bible of India, rendered  
into English by Hari Prasad Shastri.

O152:1J32:1 111G5

**O157 Bengali Literature**

SEN (Sukumar). A history of Brajabuli literature, being  
a study of the Vaishnava lyric poetry and poets of  
Bengal. O157:1vN3 111G5

# **O164 Persian Literature**

## **O164:1 Poetry**

DAUDPOTA (Umar Muhammad). The influence of Arabic poetry on the development of Persian poetry.

O164:1:90028 111G4

## **Individual Poets**

*(Arranged Chronologically)*

MUHIYYU'D-DIN IBN AL-ARABI. Tarjuman al-Ashwaq: a coll. of mystical odes, ed. ... by Reynold A. Nicholson. O164:1D56:1 111E1

OMAR KHAYYAM. Rubaiyyat. O164:1E50:1 G2

SADIQ HIDAYAT. *Ed.* The Turanes of Khayyam, etc. O164:1E50:1 G5

ABU BAKR HAMID-AL-DIN. Maqamat-i-Hamidi. O164:1E57w G4

FARRUKHI. Diwan-i-Farrukhi, ed. by Ali Abdur Rasuli. O164:1J85x G3

IQBAL (Muhammad). Secrets of the self (Asrar-i-Khudi): a philosophical poem, tr. by Reynold A. Nicholson. O164:1M76:11 111F0

## **O164:2 Persian Drama**

MALKAM KHAN NIZAM-AL-DAWALA. Majmua mushtamil bar seh qita tiyatar. O164:2xM8 F2

## **O164:3 Persian Fiction**

ABBAS KHALILI. Intiqam. O164:3M82:11 G3

ABUL QASIM PAINDA. Qatil. O164:3M84:11 G4

SAYYID HUSAIN KABIR. Kinar-i-chaman. O164:3M88:11 G5

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ITISAM ZADAH. Hazar wa yak Khanda. 2 V.

O164:6xM8 G1.1—G1.2

**O28 Arabic Literature**

FREYTAG (G. W.). Darstellung der arabischen Verskunst  
mit sechs Anhaengen, etc. O28:1:90P 113A

HARTMANN (Martin). Metrum und Rhythmus: die  
Entstehung der arabischen Versmasse.

O28:1:90P 113C6

IQBAL (Abbas). Sharh-i-Hal-i-Abdullah ibn al-Maqaffa-  
Farsi. O28:1D67w 164F6

MATHERS (Powys). *Tr.* Book of the thousand nights  
and one night. 4 V.

O28:3D95 111G7.1—111G.4

**O31 Tamil Literature**

TANJAI KARANDAI TAMIL SANGAM. *Ded.* Karandai  
katturai vellivila ninaivumalar. O31:2:N13j G8

ARAVAMUTHAN (T. G.). Tamil traditions: two studies.

O31:vK0 G2

**O31:1 Tamil Poetry**

SOMASUNDARA DESIKAR (S.). Tamilppulavargal vara-  
laṟu padinārām nūṭṟāṇḍu. O31:1wJ7 G6

RAGAVA IYENGAR (M.). Sasanattamilkkavi charitam.

O31:1wL0 G7

**Individual Poets***(Arranged Chronologically)*

NALLANDUVANAR. Kalittokai mulamum, T. A. Kanaka-  
sabapathi Mudaliar iyatriya vilakka uraiyum :  
Palaikali. O31:1A6 G7

——— Kalittokai, with the comm. of Nacchinarkiniyar,  
etc. O31:1A6 G8

TIRUVALLUVAR. Sacred kural or the Tamil veda, sel. and tr. ..., by H. A. Popley. O31:1B5x 111G1

——— Tirukkural with a comm. by Parimelalakar. Arattuppal, ed. by V. M. Sadagoparamanujachariar. O31:1B51 G7

CHOKKANADHA PILLAI (Palapattada). Alagar killai vidu dhudu, ed. by U. V. Saminatha Iyer. O31:1L28:2 G8

SAMINATHA IYER (U. V.). *Ed.* Siramalaik kovai. O31:1L50 G7

RAGAVA IYENGAR (R.). Pari katai, with comm. O31:1M81:11 G7

——— (M.). Collected essays (Ārāyechittohudi), etc. O31:6M782x G8

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### O32:1 Poetry

#### Individual Poets

(Arranged Chronologically)

TUNCHAT EZUTHATCHAN. Adyatma Ramayanam: kilippattu, ed. by C. K. Achyuta Warriar. O32:1K20:31 G8

BHASKARA MENON (M.). Dhurmohanarmukti. O32:1M848:11 G8

NARAYANA MENON (N.). Pugayila mahalmmyam. O32:1M86:13 E4

AMBADEVI THAMBURATTI. Amṛta madhanam. O32:1M903:11 F6

**O32:2 Malayalam Drama****Individual Dramatists***(Arranged Chronologically)***O32:2M57 Raman Pillai**

RAMAN PILLAI (C. V.). Kurippillak kulari.

		O32:2M57:11	E7
—	Cheruten Kolambus.	O32:2M57:13	E8
—	Kaimalasanude kadasikai.	O32:2M57:14	E8
—	Doctorkku kittiya micham.	O32:2M57:21	G7
—	Papi chellanadam patalam.	O32:2M57:22	E9
—	Kurippinude' tirippu.	O32:2M57:23	E9
—	Tentanan Kollu Harichandran		
		O32:2M57:24	F4
—	Pandathy patchen.	O32:2M57:31	G7

KRISHNA PILLAI (E. V.). Mayamanushan.

O32:2N02:25 G5

IKKAVAMMA (T.). Subhadrarjuna. O32:2N042:11 G4

RAMAN NAMBUDIRI (E. V.). Mahilakolude mokshamargam.

O32:2N044:11 F3

**O32:3 Malayalam Fiction****Individual Novelists***(Arranged Chronologically)*

VARGHESE (K. M.). Mathews Athanasiosiyunde Panchakalyani.

O32:3M21:1:9 F7

PADMANABHA PILLAI (M.). Mathews Anthanesiusinude Panchakalyani: oru nirupanam.

O32:3M21:1:9 F9

KRISHNA PILLAI (P. N.). Unnikittan.

O32:3M534:11 D5

- GOPALA PILLAI (P. P.). Sarada. Pt. 2.  
O32:3M60:12 G6
- KRISHNA PISHAROTI (A.). Taraka. O32:3M701:11 F1
- BALAKRISHNA PILLAI (A.). Randu sahasika yatrakal.  
O32:3M722:12 F0
- Sandilya. O32:3M722:13 F0
- NANU PILLAI ASAN (T.). Prabhavati.  
O32:3M723:11 G4
- PARAMESWARA IYER (U. S.). Matrika jivitangal. Pt. 1.  
O32:3M77:11 F1.1
- SADASIVAN PILLAI (C.). Sindhupadan.  
O32:3M788:11 E5
- NARAYANA PANIKKAR (E.). Premotkarsham.  
O32:3M794:14 E5
- KRISHNA PILLAI (B.). Jayachandran.  
O32:3M795:11 E5
- RAMA VARRIER (S.). Kusumotsavam  
O32:3M802:12 G4
- KRISHNAN TAMBIL (V.). Swiss family Robinson: Kappan  
chetam. O32:3M804:11 G3
- NARAYANA PILLAI (V. K.). Ratnapuri.  
O32:3M822:11 G2
- KRISHNAN NAIR (K.). Marakatamani.  
O32:3M84:12 G0
- VANABALA. O32:3M847:11 F4
- ANANTHAN PILLAI (P.). Kuttappa Menon.  
O32:3M853:11 E1
- VENKITARAMA NAIDU (N.). Ananta Mohana Bhasa.  
O32:3M882:13 F9
- KESAVA PILLAI (K. P.). Bhanumati.  
O32:3M884:11 F3
- DAMODARAN (K.). Pranaya pasam.  
O32:3M885:11 G1



UNNI KRISHNAN NAIR (V.). Ravikiranam.

O32:3M891:11 G2

MADHAVA WARRIAR (M. R.). Buddhimanaya ahikkar.

O32:3M894:12 F9

KESAVA PILLAI (M. G.). Svarnacharmam.

O32:3M896:11 E5

PARAMESWARAN PILLAI (N.). Malaviyam.

O32:3M921:11 G5

JANARDHANA MENON (K.). Srirāgam.

O32:3M93:31 F3

GOVINDA PILLAI (M. K.). Tārābhai.

O32:3M933:11 F6

——— Vijayalakshmi or dhiranaya oru rajaputra  
yuyati.

O32:3M933:12 F0

PARAMESWARAN PILLAI (V. K.). Anganachumbanam.  
3 Pts.

O32:3M943:12 F6.1—F6.3

——— Atbhuta saudam or Radhayude rahasyam.

O32:3M943:13 F4

——— Premotkarsham.

O32:3M943:14 F6

PADMANABHA MENON (S.). Premaprabhavam.

O32:3M944:11 F8

——— Lokaprabhavam. Pt. 1.

O32:3M944:12 G0.1

PARAMESWARA PILLAI (A. V.). Syāmala.

O32:3M946:15 G0

LAKSHMANA PILLAI (P. G.). Rukmani Bhai.

O32:3M956:11 F9

——— Sarasvatika or Atbhuta Kavimanga.

O32:3M956:12 F9

GOVINDA PANIKKAR (M.). Karmabhumi.

O32:3M957:11 F9

NARAYANA PILLAI (M. R.). Amirhamsa. 2 Pts.

O32:3M961:13 F8.1—F8.2

——— Angadan.

O32:3M961:14 E8

- RAMASUBBA SASTRI (S.). Saramulla irupath onpatu  
kathaikal. O32:3M962:11 E5
- SUBRAHMANYA POTTI (C. S.). Durgesanandini.  
O32:3M963:11 G7
- VELU PILLAI (C. R.). Sarojini. O32:3M964:11 F9
- GOPALA PILLAI (V. S.). Sivajiude pratikāram.  
O32:3M965:11 F9
- Avalude atbhuta premam. O32:3M966:11 G3
- GOPALAKRISHNA IYER (P. V.). Bhumiyl ninnu chandra-  
nilekku. O32:3M973:12 F6
- VARGHESE MAPPILLAI (T. M.). Maria Kutty or sarvam  
swarnamayam. O32:3M975:11 F2
- PAUL (Pilo). Undine. O32:3M976:11 F3
- ZACHARIA (K. M.) and GOPALA KURUP (C. N.). Vijaya-  
rudran. 2 Pts. O32:3M977:11 F9.1—F9.2
- RAMAKRISHNA PILLAI (G.). Umadevi.  
O32:3M978:11 G0
- NARAYANA MENON (K.). Sucharitakal. 2 Pts.  
O32:3M986:12 F6.1—F6.2
- BAPPU RAO (N.). Vāsini. O32:3M988:11 G0
- Pranaya pratikāram. O32:3M988:12 G1
- Māyāmandalam. O32:3M988:13 G4
- SANKARA SUBRAHMANYA SASTRI (P.). Lāvanyamayi.  
O32:3M99:11 G5
- CHANDRASEKHARAN PILLAI (V. P.). Bhāshpa mandapam.  
O32:3M991:12 G0.1
- JOSEPH (M. V.). Satyavalli or basket of flowers.  
O32:3M992:11 G5
- (P. P.). Mantravāti. O32:3M993:11 G7
- KOCHU THOMMAN APOTHECARY. Parishkārapāthi.  
O32:3N001:11 F6

032:3N01:11

MALAYALAM NOVEL

PAPPU PILLAI (K.). Avivekataḷundāya āpattu.

032:3N01:11 F5

RAGHAVAN NAIR (P.). Prachina chumbanam.

032:3N011:11 F7

KRISHNA MENON (A. P.). Chandralayam.

032:3N012:11 F9

KRISHNA PILLAI (E. V.). Sokasankalanam.

032:3N02:22 F9

RAGHAVA PILLAI (K.). Mandaramala.

032:3N024:11 G0

KUNJURAMAN (C. P.). Ramadevanum Janakiyum.

032:3N025:11 G4

KRISHNA PILLAI (C.). Pushpaveni. 032:3N026:11 F9

BHAGAVATI AMMA (K. G.). Adrushtam or Velu Pillai  
peishkar. 032:3N027:11 F9

MADHAVI AMMA (K.). Virakesari. 032:3N028:11 F8

CHANDY (P. T.). Prema bhandam. 032:3N032:11 F6

CHERIYAN (T. P.). Pithrupālakam.

032:3N033:11 F9

Eso (V. K.). Yenikkupatriya apakatangal.

032:3N034:11 F7

RAMA KURUP (K.). Saudāmini. 032:3N043:11 G2

NAIR (N. C.). Mangalodayam. 032:3N045:11 F7

—— Premalata. 032:3N045:12 G4

—— Nilambhujam. 032:3N045:13 G0

RAGHAVAN PILLAI (P. K.). Malayan.

032:3N056:11 G3

SIVASANKARA PILLAI (N.). Chandraleka.

032:3N057:11 F7

KUMMINI AMMA (A. C.). Sulochana.

032:3N062:11 G0

SANATANA valli.

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RATNABALIKA.	O32:3N23:13	F9
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IRAVI mandiram.	O32:3N23:17	F9
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MOHINI Bai.	O32:3N23:21	G4
SUMUKHI.	O32:3N23:22	F8

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vakku. O32:6M741:11 F6

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RAMA RAO (B.). *Ed.* Biligiya arasugalu vamsavaliyu.

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ISWARA SANAKALLA. Korike. O33:1M945:11 G4

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RAMAYYA PANTULU (J.). Adhunikandhra vangmaya  
vikasa-vaikhari. O35:vN3 G7

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VASANTAMU Rasanjali and subhamastu. O35:1xM9 G6

SUBBAYYA SASTRI (K.). Sahitya kala.

O35:1:9M8 G7

**Individual Poets***(Arranged Chronologically)*

- TRIPURANTAKA. Tripurantakodaharanamu, ed. by N.  
Venkata Rao. O35:1H30:1 G7
- GOPARAJA KAVI (K.). Simhasanadvatrimisika. 2 Pts.  
O35:1I40:1 G3.1—G3.2
- TIRUVENGALANATHA (T.). Paramayogi vilasamu.  
O35:1J75:11 F8
- RAGHUNATHA BHUPALA. Raghunatha Ramayanamu.  
Pt. 1. O35:1K50:1 G7.1
- BHAVANISA KAVI (E.). Dharma khandamu. 2 V.  
O35:1K65:11 G1.1—G1.2
- SUBRAHMANYA KAVI (A.). Bhadruparinayamu.  
O35:1M31:11 E2
- VENKATESWARA KAVI (V.). Ramachandropakhyanam.  
O35:1M32:11 E1
- SUBBARAYA SASTRI (D.). Mahendra vijayamu.  
O35:1M53:11 D7
- Rama raja vilasamu. O35:1M53:12 E1
- RAMAKRISHNA RAO (A.). Mallikamba.  
O35:1M751:11 E5
- VENKATARAMAKRISHNA (O.). Andhra kathasaritsaga-  
ramu. 4 Pts. O35:1M872:1 [G6].1—[G6].4
- VENKATA RAO (B.). Andhratejamu. O35:1M902:11 G6

**O35:1M924 Venkata Rao**

- VENKATA RAO (K.). Prakritichandanamu.  
O35:1M924:11 F2
- Atmavyakti. O35:1M924:12 F2
- Agadapalu. O35:1M924:13 F9
- Kumara kanthamu. O35:1M924:14 F4
- Matradesa sankirtanam. O35:1M924:15 F4

VENKATA RAO (K.). Janapadamulu.	O35:1M924:16	F4
———— Nelabalundu.	O35:1M924:21	F6
———— Chaduvuladutta.	O35:1M924:22	F9
———— Chitti kaita.	O35:1M924:23	F9
———— Vividha kusumavali. Guccha. 1.	O35:1M924:24	G0
———— Traya: sangraha sakuntalamu, Punaragamanamu, Kavitanveshanamu.	O35:1M924:25	G0
———— Kalaritamu.	O35:1M924:26	F6

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VISVANATHA SATYANARAYANA. Andhra prasasti.	O35:1M951:11	G2
———— Kinnarasani patalu: Kokilammappelli.	O35:1M951:12	G4
———— Sringara vidhi.	O35:1M951:13	G7
ANJANEYA KAVI (P.). Divantamu. Pt. 2.	O35:1N01:1	G6.2

### O35:2 Telugu Drama

YALLANARYUDU (C.). Vishnu maya natakamu.	O35:2J00:1	G7
LAKSHMINARAYANA (Unnava). Nayakuralu.	O35:2M91:11	F6
VENKATA RAO (K.). Viprasandesamu.	O35:2M924:11	G0
———— Koneru.	O35:2M924:12	G0
VISVANATHA SATYANARAYANA. Anarkali.	O35:2M951:11	G3
———— Venaraju.	O35:2M951:12	G6
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**O35:3 Telugu Fiction**

VENKATACHALAM (G.). Venkatachalam kathalu.

035:3M89:11 G8

SRINIVASA SIROMANI. Siromani kathalu.

035:3M92:11 G8

VENKATA RAO (K.). Potti kata.

035:3M924:11 F9

VISVANATHA SATYANARAYANA. Ekavira.

035:3M951:11 G5

**O35:6 Telugu Prose**

SAMIKSHA.

035:6xM7 G7

VENKATA RAO (K.). Jantalu.

035:6M924:11 G0

**O35:7 Telugu Campu**

NARASIMHA SARMA (U.). Soma sailesvariyaamu.

035:7M752:11 F9

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041:1xC3 111G7

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## P Linguistics

The following are the chief divisions under which the books in Linguistics are grouped:—

Pp	Congresses
Pz	Comparative linguistics
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P113:J	Modern German
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P4	Other Asiatic languages



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**Pz General Comparative Linguistics**

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 and Spanish. P1z G5
- GONDA (J.). Austrisch en arisch, het Belang van de  
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 time, etc. P1:794 A

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- WEEKLEY (Ernest). Something about words.  
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- SUNDEN (K. F.). *Ed.* A famous middle-English sermon,  
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**P111:J Modern English**

- TOLLER (T. N.). Outlines of the history of the English  
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### **P111:J0 Modern English Dialects and Jargons**

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P31:Dx101 31G7

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P35:J29:3 35F3

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P35:J4k G61.1

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P4z F9

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P498 G4

## **Q Religion**

The following are the chief divisions under which the books in Religion are grouped:—

<b>Q1</b>	<b>Vedic religion</b>
Q111	Aitereya Rigvedic
Q12	Yajurvedic
Q13	Samavedic
Q14	Atharvavedic
<b>Q2</b>	<b>Post-Vedic Hinduism</b>
Q2:4	Post-Vedic Hindu religious practices
Q21	Smartaism
Q21:22	Smarta puranas
Q21:417	Devotional lyrics
<b>Q22</b>	<b>Vaishnavaism</b>
Q22:22	Vaishnava puranas
Q22:417	Devotional lyrics
Q2212	Madhvas
<b>Q23</b>	<b>Saivaism</b>
Q23:38	Local (Sthala) puranas
Q23:417	Devotional lyrics
Q234	Virasaivaism
Q234:27	Sayings
Q234:4	Religious practices
Q234:52	Sermons
Q234:6	Religious organisation
Q24	Vinayakaism
<b>Q25</b>	<b>Saktism</b>
<b>Q3</b>	<b>Jainism</b>

<b>Q4</b>	<b>Buddhism</b>
Q41	Hinayana
Q42	Mahayana
Q43	Tibetan school
Q44	Chinese school
Q45	Japanese school
<b>Q5</b>	<b>Judaism</b>
Q52	Babylonian school
Q52:222	Talmud
<b>Q6</b>	<b>Christianity</b>
Q6:2	Scripture
Q6:3	Theology
Q6:4	Religious practices
<b>Q7</b>	<b>Muhammadanism</b>
Q7:21	Quran
Q841	Chinese Religions
Q8412	Confucianism
<b>Q8413</b>	<b>Taoism</b>
<b>QM75</b>	<b>Theosophy</b>

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Q27 121G7

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Q:2x G3

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Q1:22x 15G5

**Q111 Rigvedic Religion**

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Q111:21x 35F9

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Q12:21 31G8

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Q125:2 15G2.1—G2.2

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Q125:214 15D8

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Q125:23 15F6

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Q125:42x1 15D5

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Q127:22 15G7.1

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Q131:21 15G6.1

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Q132:22 15G7.1

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- BALDAEUS (Philippus). Afgoderye der Oost-Indische Heydenen ..., ed. by A. J. De Jong. Q2:31 122E7
- ACHUTA VARRIER (U.). Vilwam puranam. Q2:382CV6 32G0
- DE VREESE (K.). *Ed.* Nilamata or teachings of Nila: Sanskrit text with critical notes. Q2:3841 15G6

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- VAIDYANATHA DIKSHITA. Smriti muktaphala: prayaschitta kanda, ed. by T. M. Narayana Sastri. Q2:4195zxK30 15E7
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VAIDYANATHA DIKSHITA. Smṛiti muktaphala: śraddha  
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———. Asauca kanda, ed. by T. M. Narayana Sastrī

Q2:4284xxK30 15F3

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Q21:226 G7

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Q21:227 15F6

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Q21:417 15E6.1—E6.2

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Q22:417x1:3 31F8.1—F8.3

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Q2212:38154 G8

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Q222:235 35G8.1—G8.2

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Q23:381CM 15G5

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Q234:27 33F3.2

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**Q234:4 Virasiva Religious Practices**

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Q234:41 33F7

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- HALAKATTI (P. G.). *Ed.* Kalajnana vachanagalu. Q234:52 33G4
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SANKARACHARYA. Soundaryalahari with Lakshmidhara-  
vyakhya and dravida tika by T. S. Srinivasa  
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- LEADBEATER (C. W.), *etc.* The theosophist's attitude, to death and the unseen; to nationalism and internationalism; to science and its message; and to art and the arts. QM75z7 F71
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- LEADBEATER (C. W.). Australia and New Zealand: the home of a new sub-race: four lectures delivered at Sydney, Aug. 1915. QM750Y17 E6

## R Philosophy

The following are the chief divisions under which the books in Philosophy are grouped:—

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R841	Chinese philosophy
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**METZ** (Rudolf). A hundred years of British philosophy  
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**Rw Biography**

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GILSON (Etienne). Saint Thomas Aquinas.

RxG25:9 G5

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in the sixteenth century and the story of Giordano  
Bruno: a lecture delivered in the Sorbonne at  
Paris, on June, 15, 1911.

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AARON (R. I.). John Locke.

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SCHOPENHAUER (Arthur). Studies in pessimism: a series  
of essays, sel. and tr. by T. Bailey Saunders.

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**RxM13 Kierkegaard**KIERKEGAARD (S.). Purify your hearts! a discourse for  
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tr..., by A. S. Aldworth and W. S. Ferrie.

RxM13 G7

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RxM13:9 G5

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RxM13:9 G7

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<b>Sv</b>	<b>History</b>
<b>Sy8</b>	<b>Practical</b>
<b>S</b>	<b>Treatises</b>
<b>S:76</b>	<b>Intuition</b>
<b>S15</b>	<b>Child-psychology</b>
<b>S4</b>	<b>Vocational psychology</b>
<b>SM95</b>	<b>Psychoanalysis</b>
<b>SN12</b>	<b>Gestalt psychology</b>
<b>SN14</b>	<b>Individual psychology</b>

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Sv1:N3 G7.1—G7.2

### **Sy8 Practical Psychology**

**BORING (Edwin Garrigues), etc.** Manual of psychological experiments. Sy8 G7

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**ALLERS (Rudolf).** New psychologies. S G8

**THOULESS (Robert H.).** General and social psychology: a text-book for students of economics and of social sciences. S G71

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——— Character-building: a practical course. S:74 F4

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JINARAJADASA (C.). The place of intuition in the new civilization. S:76 F7

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THOULESS (Robert H.). Control of the mind. S:9 G61

VARNUM (Walter C.). Psychology in every day life. S:9 G8

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EARLE (F. M.). Psychology and the choice of a career. S4 G3

### S4 Vocational Psychology

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BALZAC (Honore de). Physiology of marriage, etc. S5:5 G2

ISRAELI (Nathan). Abnormal personality and time. S6:38:4 G6

WALLAS (Graham). Social judgment. S8:44 G4

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JONES (Ernest). Papers on psycho-analysis. SM95 G8

DALBIEZ (Roland). La methode psychanalytique et la doctrine Freudienne. 2 T.

SM95 122G6.1—G6.2

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**SN12 Gestalt Psychology**

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**SN14 Individual Psychology**

ADLER (Alfred). Social interest: a challenge to mankind  
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SN14xM70:5 G8

## **T Education**

The following are the chief divisions under which the books in Education are grouped:—

### **Preliminaries**

<i>Ta</i>	Bibliography
<i>Tb</i>	Profession
<i>Tv</i>	History
<i>Tw</i>	Biographies
<i>Ty8</i>	Experiments
<i>Tz7</i>	Essays and lectures

<b>T</b>	<b>Treatises</b>
<i>TOM</i>	Vocational education
<i>TOY1</i>	Education and society
<i>T:2</i>	Schools of education
<b>T:3</b>	<b>Teaching methods</b>
<i>T:4</i>	Educational organisation
<i>T:44</i>	Curriculum
<i>T:471</i>	Intelligence tests
<i>T:5</i>	School hygiene
<b>T:81</b>	<b>Bilingualism</b>
<i>T:85</i>	Visual instruction

### **T1:2L82 Kindergarten**

<i>T13</i>	Preschool education
<i>T15</i>	Elementary education
<b>T15:2L50</b>	<b>Pestalozzi</b>
<b>T15:2N12</b>	<b>Montessori</b>
<i>T15:3</i>	Teaching methods in elementary schools

### **T2 Secondary education**

T2:3	Teaching methods in secondary schools
T2:3A	Teaching of science in secondary schools
T2:3B	Teaching of mathematics in secondary schools
T2:44	Curriculum of secondary schools
T2:47	Educational measurements in secondary schools
T3	Adult education
T4	University education
T6	Education of the abnormals
T7	Education of the socially handicapped
T9Y131	Rural education

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tion: a critical interpretation of some historical  
views. Tv1:N2 G1

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U:7	Geography of America
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U8:2	Travels in India
U8:21	Travels in Madras
U8:5	Travels in Europe
U8:6	Travels in Africa

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V74	Mexican history
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## W Political Science

The following are the chief divisions under which the books in Political Science are grouped:—

<b>Wv</b>	History of political thought
<b>Wx</b>	Classics and collections
<b>W</b>	<b>Treatises</b>
<b>W:23</b>	Legislature
<b>W:3</b>	Functions of government
<b>W:5</b>	Political rights and duties
<b>W:7</b>	Relation among constituent states
<b>W:91</b>	Foreign relations
<b>W6</b>	<b>Democracy</b>
<b>W64</b>	<b>Dictatorship</b>
<b>W7</b>	<b>Utopia</b>

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Wv2:C7 G7—G72

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PAINE (Thomas). Rights of man: being an answer to Mr. Burke's attack on the French revolution, ed. by Hypatia Bradlaugh Bonner, etc.

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W:7 G6

VENKATARANGAIYA (M.). Federalism in government.

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W:91z7 G8

MADARIAGA (Salvador de). Theory and practice in international relations.

W:91 G7

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**W6 Democracy**

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W6z7 G8

LASKI (Harold J.). Democracy in crisis.

W6 G42

W6

POLITICAL SCIENCE

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W6 G7

MADARIAGA (Salvador de). Anarchy or heirarchy.

W6 G71

**W64 Dictatorship**

PALMIERI (Marie). Philosophy of fascism.

W64 G62

**W7 Utopia**

CROSSMAN (R. H. S.). Plato today.

W7xC57:9 G7

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## **X Economics**

The following are the chief divisions under which the books in Economics are grouped:—

<b>Xj to Xz</b>	<b>Preliminaries</b>
<b>Xz7</b>	<b>Lectures and essays</b>
<b>X</b>	<b>Treatises</b>
<b>X0V2</b>	<b>Indian economics</b>
<b>X:16</b>	<b>Standard of living</b>
<b>X:2</b>	<b>Production</b>
<b>X:3</b>	<b>Distribution</b>
<b>X:31</b>	<b>National income</b>
<b>X:32</b>	<b>Functional distribution</b>
<b>X:326</b>	<b>Capitalism</b>
<b>X:329</b>	<b>Wage-system</b>
<b>X:3M24</b>	<b>Socialism</b>
<b>X:3N20</b>	<b>Consumers' credit</b>
<b>X:4</b>	<b>Transport of commodities</b>
<b>X:5</b>	<b>Commerce</b>
<b>X:5:103</b>	<b>Commerce in the British Empire</b>
<b>X:5:1</b>	<b>World commerce</b>
<b>X:5:3</b>	<b>British commerce</b>
<b>X:5:73</b>	<b>United States commerce</b>
<b>X:51</b>	<b>Marketing</b>
<b>X:51b4</b>	<b>Marketing research</b>
<b>X:53</b>	<b>Tariff</b>
<b>X:54</b>	<b>Export and import</b>
<b>X:57</b>	<b>Exchange</b>
<b>X:7</b>	<b>Value</b>

X:74	Business cycle
X:75	Economic plannnig
X:8	Economic organisation
X:81	Ownership
X:9	Labour problems
X:92	Labour market
X:94	Industrial hygiene
X:95	Service conditions
X:96	Trade unions
X4	Transport economics
X415	Railway economics
X6	Money and banking
X61	Currency
X6131	Gold currency
X62	Banking
X7	Public finance
X71	Budget
X72	Taxation
X75	Public debt
X796	Municipal and local finance
X895	Marine insurance
X9	Industrial economics
X9D	Engineering industries
X9D66	Electrical industries
X9J	Agricultural economics
X9J:51	Agricultural marketing
X9J:6	Agricultural finance
X9J:8	Agricultural organisation
X9J37	Economics of fruit-business
X9J771	Economics of cotton
X9M7	Textile industry

X9MK31	Dairy industry
X9MK33	Meat industry
X9KM332	Fishing industry
X9MK35	Poultry industry
<b>XM25</b>	<b>Co-operation</b>
XM25::2	Co-operation in India
XM25::3	Co-operation in Great Britain
XM25::571	Co-operation in Sweden
XM259J	Agricultural co-operation
<b>XN12</b>	<b>Public utilities</b>

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## Y Social Sciences

The following are the chief divisions under which the books in Social Sciences are grouped:—

<b>Y</b>	Social sciences (general)
<b>Y1</b>	<b>Sociology</b>
<b>Y1:1</b>	Civilisation
<b>Y1:1:5</b>	Cultural contact
<b>Y1:1:6</b>	Cultural evolution
<b>Y1:4</b>	<b>Social pathology</b>
<b>Y1:433</b>	Unemployment
<b>Y1:5</b>	Population problem
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<b>Y15</b>	Social groups formed by birth and status
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<b>Y17:1</b>	Racial culture
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<b>Y1742</b>	The Japanese
<b>Y174441</b>	The Kashmiris

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## Z Law

The following are the chief divisions under which the books in Law are grouped:—

Z1	International law
Z1:A173	Neutrality
Z2	Indian law
Z298	Ceylonese law
Z3	British law
Z7	Inter-American law
Z73:8	Administration of Law of the United States
ZQ2	Hindu law
ZQ7	Muhammadan law

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ZQ2z 15G7.1

**ZQ7 Muhammadan Law**

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ZQ7:922 G8

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## MADRAS LIBRARY ASSOCIATION

Publication Series, 2.

# The Five Laws of Library Science

BY

S. R. RANGANATHAN, M.A., L.T., F.L.A.

### SOME OPINIONS

The book is lovely, the author's enthusiasm for his vocation is infectious.—*Library Association Record*.

Would recommend this book to all librarians, who will find many valuable hints to the proper administration of a library, to library committee men.—*The Librarian and Book World*.

He is to be congratulated on his most interesting book. It is the work of an educationist as well as of a librarian.—*Times Literary Supplement*.

He has exhibited a wealth of learning, a mastery of detail, a fine sense of humour and a polished style.—*Journal of Oriental Research*.

A volume which to the book-lover is more interesting than a thriller, more enlightening than a text-book.—*The Madras Mail*.

The work ... contains a seventy-page rapid survey of library conditions all over the world.—*American Library Association*.

The Madras Library Association is rendering yeoman's service to the library cause by the institution of a series of books on library service.—*The Librarian*.

The book is written in an exceptionally fascinating and lucid style ... from the beginning to the end very stimulating and straightforward ... the book is quite accurate in fact.—*The Modern Librarian*.

In his book which seeks to reduce and relate all the principles and practice of library work to a few fundamental laws, we are glad to recognise a magnificent achievement which ranks as a landmark in the development of librarianship in this country.—*The Presidency College Magazine*.

It is presented from so fresh a point of view, and with so lively an enthusiasm, that it may well lead to a reconsideration of many problems.—*The Year's Work in Librarianship*.

# The Colon Classification

BY

S. R. RANGANATHAN, M.A., L.T., F.L.A.

## SOME OPINIONS

All who are interested in synthetic classification will find this the best recent exercise in it. It has an admirable scheme for arranging the Indian literatures, the fullest I know.—*The Year's Work in Librarianship*.

It is universally interesting as a study of an original kind in classification method ... Certainly the colon scheme is remarkable for its analysis of the many relations of subjects, and students should be acquainted with this new and interesting general classification.—In the *Introduction to Library Classification*, 1935, by W. C. Berwic Sayers.

It is an extremely clever scheme ... The result is almost perfect.—*Library Association Record*.

The scheme is both elastic and comprehensive, while at the same time providing for sensible variations to meet local circumstances.—*Nature*.

One of the main features which will strike even a casual reader is the very great minuteness of classification in most of the subjects treated, especially topics in Indology, which will be of immense use to librarians both in the East and in the West. The author deserves to be congratulated on his excellent performance. The book ought to find a place in every library, however small.—*Current Science*.

The basis of the work is relation—the bearing of one topic on another, the aspects of a subject, the forms and modes of presentation of subject-matter ... Precise and well-worded rules are given regarding the formation of class numbers ... Many works of Sanskrit literature and others in the fields of Hindu Philosophy and Religion are listed in a systematic order, thus illustrating both the correct titles of these works and their relationship to one another.—*The Library Journal*.

Recommended for purchase in all schools and colleges by the Director of Public Instruction, Madras, in his Proceedings No. 789-G. of 1933, dated 15th May, 1933.

# MADRAS LIBRARY ASSOCIATION

Publication Series, 4.

## The Classified Catalogue Code

BY

S. R. RANGANATHAN, M.A., L.T., F.L.A.

### SOME OPINIONS

This book embodies the very wide experience of Mr. Ranganathan and is a notable contribution to the technique of ... library training.—*W. Erlam Smith*.

It is a book of considerable value ... The method of handling various types of books is elaborately dealt with ... Card technique is fully dealt with and considerable value attaches to the chapters on oriental transliteration and the rendering of Hindu and Muhammadan names.—*Library Association Record*.

This book will take a very high rank among publications dealing with the technical and practical aspects of library work. For the first time, we believe, does such a work come from the pen of an Indian.—*United India and Indian States*.

*The Classified Catalogue Code*, by Mr. S. R. Ranganathan, is the fourth of a useful series of publications of the Madras Library Association. The rules for the indexing of books and periodicals have been dealt with in detail.—*Current Science*.

The transliteration codes for Indian languages and the rules for the indexing of Indian names will both be of considerable service. Then again the rules for dealing with the cases in Sanskrit literature of authors writing under different names, and the opposite trouble of different writers using the same name will help librarians who will have to deal with this class of literature.—*Library World*.

Another strong feature of the book is the section dealing with periodical publications.—*The Madras Mail*.

You too have brought your classification in relationship with your system for your classified catalogue. The classified form of subject-catalogue seems likely to have a new development. I regard the dictionary-catalogue as a blunder in the development of the economics of libraries.—*H. E. Bliss*.

Recommended for purchase in all schools and colleges by the Director of Public Instruction, Madras, in his Proceedings No. 613-G. 34, dated 6th April, 1934.

# Library Administration

BY

S. R. RANGANATHAN, M.A., L.T., F.L.A.

## SOME OPINIONS

The abundant industry, learning and initiative which Mr. Ranganathan has given in the past ten years to librarianship in India must have been of the greatest interest to the British librarian ... If Ranganathan completes the series he will have been the world's most prolific writer on librarianship ... The book may be commended as a remarkable example of the collecting, arranging and exposition of routine detail, in which sight is not lost of the larger issues.—*Library Association Record*.

The whole forms an extremely comprehensive and careful work and ... English librarians will find the book of real interest and assistance to them.—*Library World*.

It should be of real use to Indian librarians who wish to bring their libraries up to the best modern standards of management.—*Times Literary Supplement*.

It makes an important contribution to the study of administration in general ... It is not difficult to appreciate the fact that Mr. Ranganathan has here devised a simple but powerful method of constructive analysis which will leave no corner of a subject unexplored ... He offers many shrewd observations of general interest and he is not afraid to hit straight from the shoulder ... This is certainly not a book for popular consumption but is one which the administrator should have constantly at his elbow, for it is a mine of ideas which should help him in his exalted calling.—*The Madras Mail*.

The book is a masterly analysis of the librarian's craft.—*The Hindu*.

The well-known author presents the subject with a thorough mastery of detail and a judicious combination of the fruits of his extensive studies and valuable experience in the field which he has made his own.—*Mysore Economic Journal*.

If the methods described in this book are scrupulously followed out libraries will save lot of labour and money which has been and is being wasted on account of most unsystematic and unscientific work.—*The Mahratta*.

Recommended for purchase in all schools and colleges by the Director of Public Instruction, Madras, in his Proceedings Dis. 4836/35, dated 8th November, 1935.

MADRAS LIBRARY ASSOCIATION

Publication Series, 6.

# Prolegomena to Library Classification

BY

S. R. RANGANATHAN, M.A., L.T., F.L.A.

## SOME OPINIONS

Constitutes perhaps the most comprehensive statement of principles yet published ... Altogether a book to be pondered carefully by all those classifiers who have already safely crossed Jordan's swelling flood.—*The Library Association Record*.

The book is the philosophical dissertation of a mathematician and scholar ... The refreshing and lucid style and the lively enthusiasm of the man himself make the book most readable ... The book is a definite contribution to the literature of the field. The School of Library Science of Madras University teaches a great deal more of the pure theory of classification than any school in the United States.—*The Library Journal*.

In many respects it is original. The author combines the culture of India with the scholarship of England ... There is much of value to the student in Ranganathan's penetrating and intelligent discussion ... In some post graduate course a degree might well be earned by a reconstructive study of these canons.—*The Library Quarterly*.

A quite substantial treatise ... Is a valiant attempt at a re-statement of theory and practice ... Mr. Ranganathan has made his contemporaries breathless in their effort to keep pace with his industry and ingenuity. His "Five Laws of Library Science" and his now well-known "Colon Classification" would seem enough work for one man to have done, but, upon the principles enumerated in the first of these, he has proceeded, single-handed, to re-write Library administration, cataloguing and now classification ... His canons occupy 62 reasoned pages in their enunciation and there are 28 of them ... The remainder of this most interesting work is a comparative study of classification schemes, done quite fairly.—*Years' Work in Librarianship*, 1937.

The first part of this book expounds the general theory of classification ... Then follows an analysis of the principles of knowledge classification, exhibiting its special canons. Next comes the theory of classification as applied to books and finally a critical comparison of the colon and other systems of library classification ... The book is a valuable contribution to a study which lies at the root of all scientific arrangement and the principles elucidated therein could be developed and applied to every phase of thought.—*The Hindu*.

Recommended for purchase in all Colleges and public libraries by the Director of Public Instruction, Madras, in his Proceedings R.C. No. 2755-G, 37 dated 20th January, 1938.



# Theory of Library Catalogue

BY

S. R. RANGANATHAN, M.A., L.T., F.L.A.

## SOME OPINIONS

Rao Saheb Ranganathan is one of the foremost Librarians in the country today; he is one of the two individuals who have placed India on the Library map of the world. His contributions to librarianship are always eagerly awaited and carefully studied ... Rao Saheb Ranganathan deserves our thanks for this excellent restatement of cataloguing principles. He has brought side by side for comparison and criticism the cataloguing theories of Cutter, Mann, Sharp, Quinn and the Anglo-American Code, criticised these wherever necessary and has given us a treatise worthy of a great librarian.—*The Times of India*.

In the present work he examines the theoretical foundations of cataloguing practice and, in particular, compares in detail the classified with dictionary type of catalogue, to the advantage of the former. The book is written with that careful logic and comprehensive grasp of detail to which we have become accustomed in Mr. Ranganathan's writing.—*The Madras Mail*.

This is a substantial contribution to the technique of cataloguing ... The urgent need for the revision of the A.A. Code and Cutter's Rules is abundantly brought home ... It expounds all the fundamental principles in an original, learned and scientific manner.—*The Hindu*.

This somewhat difficult task he has accomplished with success. The realistic study which Rao Saheb Ranganathan has attempted in this book will prove of immense use to the librarians in general; the technicalities of the subject have been explained with great lucidity and with profuse illustrations. One cannot but read it with admiration for the completion of a stupendous study of detail, and for an exposition always orderly and clear.—*The Modern Librarian*.

Of this prolific writer's books this is probably the most comprehensive with regard to its subject, and it is penetrating too, as the others have been. It will, we think, reward careful study.—*Organization of knowledge in libraries* by Henry Evelyn Bliss.

Mr. Ranganathan has given us a most challenging, thought-provoking book, and Indian librarianship should count itself fortunate that it has among it a man of his ability and insight. It is one of those occasional professional books that are a delight to read and fascinating to ponder over.—*Library Association record*.

Recommended for purchase in all Colleges and public libraries by the Director of Public Instruction, Madras, in his Proceedings No. 3343 G-38 dated 24th January 1939.